CD·MD-CH CONTROL MP3 CD RECEIVER

KDC-Z828
Z828

SERVICE MANUAL

KENWOOD

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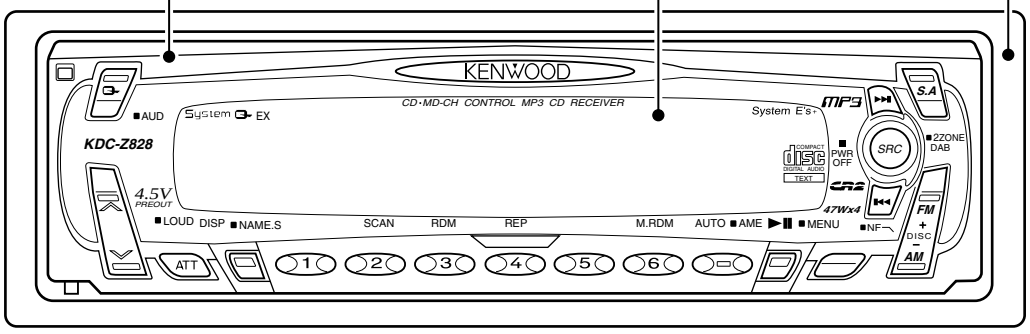
B51-7790-00 (N) 1737

KDC-Z828

Panel assy
(A64-2473-08)

Front glass assy
(B10-4201-08)

Escutcheon
(B07-3038-08)

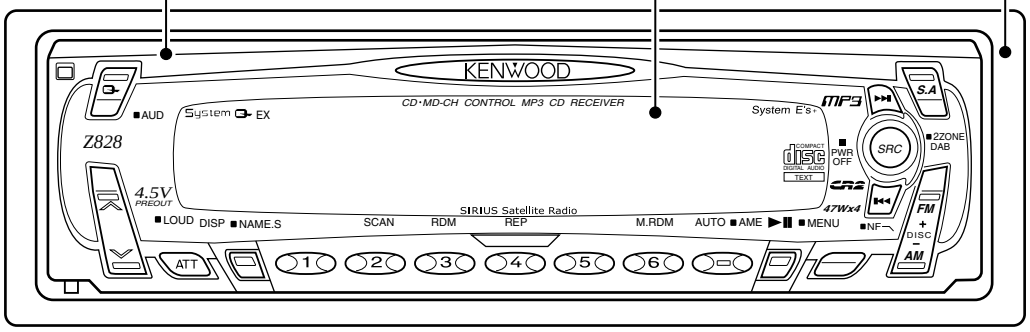


Z828

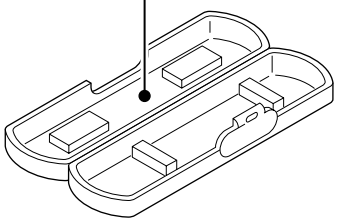
Panel assy
(A64-2625-08)

Front glass assy
(B10-4200-08)

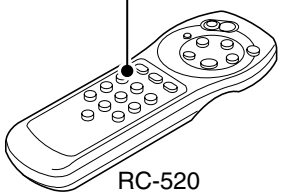
Escutcheon
(B07-3048-08)



Plastic cabinet assy
(A02-2711-08)

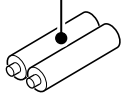


Remote controller assy
(A70-0894-05)

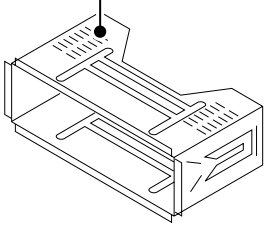


RC-520

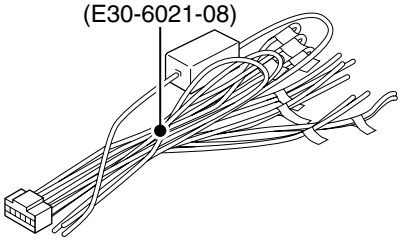
SIZE AAA BATTERY
(Not supplied)



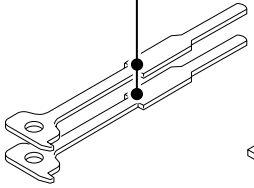
Mounting hardware assy
(J21-9585-18)



DC cord assy
(E30-6021-08)



Lever
(D10-4364-08)x2



Stay
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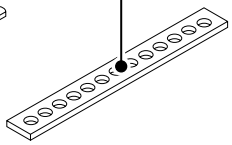
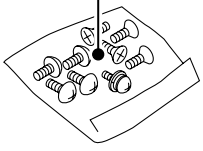


Screw set
(N99-1700-05)

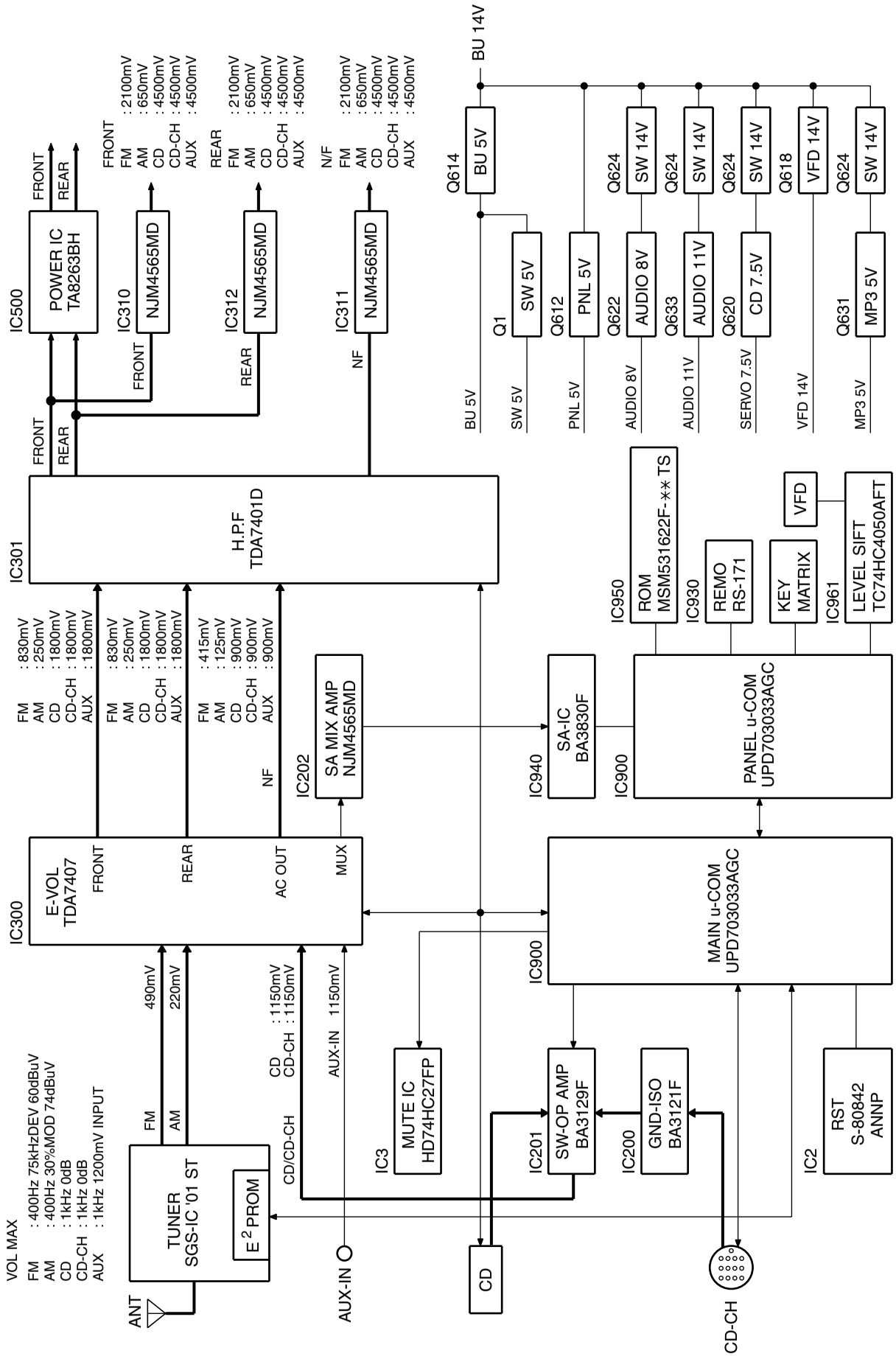


Screw set
(N99-1716-08)

40%

KDC-Z828,Z828

BLOCK DIAGRAM



COMPONENTS DESCRIPTION

Ref.No.	Element/Function	Operation/Condition
IC1	SYS u-COM	
IC2	RESET	System reset
IC3	GATE IC	Gate IC for muting
IC200	GND-ISO	GND-ISO for CD-CH
IC201	SW-OP	CD/CD-CH input switching
IC202	Buff	SA buffer and 1/2 Vdd
IC300	E-VOL/MPX	E-VOL/MPX
IC301	SYSTEM E'S	SYSTEM E'S
IC310-312	Buff	Buffer for 4.5 V PRE-OUT
IC500	POWER AMP	
IC900	PNL u-COM	
IC930	REMOCON	Remote control light sensor
IC940	SA BPF	BPF for SA
IC950	EXTENSION ROM	
IC960	3.3V POWER SUPPLY IC	3.3 V power supply
IC961	LEVEL SHIFT IC	5V-3.3 V level shifting
Q1	5V SW	
Q2	MUTE SW	Muting SW for PRE-OUT
Q3	CH RST SW	
Q4	LED SW	LED SW for DISC_ and EJ SW
Q5	PNL5V SW	
Q6	PNL5V SW	
Q9	Buff	IFC buffer
Q10	LED SW	LED SW for DSI
Q100,101	FM+B SW	
Q102,103	AM+B SW	
Q200	MD/CD-CH SW	CD/CD-CH signal switching
Q201	MUTE DRV	For SA muting
Q202	ALC	ALC
Q300	MUTE	E-VOL muting SW
Q350A,B	MUTE DRV	PRE-OUT muting
Q351A,B	MUTE DRV	PRE-OUT muting
Q352A,B	MUTE DRV	PRE-OUT muting

Ref.No.	Element/Function	Operation/Condition
Q600	BU DET	B-U ON/OFF detection
Q601	Acc DET	Acc ON/OFF detection
Q602	P-ANT SW	
Q603	P-ANT SW	
Q604	P-CON SW	
Q605	P-CON PROTECT	
Q606	P-CON PROTECT	
Q607	P-CON SW	
Q608	DIMMER SW	
Q609	EXT AMP CON. SW	
Q610	DSP 5V AVR	5V DSP power supply
Q611,612	PNL5V AVR	5V panel power supply
Q613,614	BU5V AVR	5V uCOM power supply
Q615,616	DD-CONV SW	
Q617,618	DD-CONV AVR	DC/DC converter power supply
Q619,620	SURVO7.5V AVR	7.5V CD mechanism power supply
Q621,622	AUDIO8V AVR	8V Audio power supply
Q623	14V SW	8V Audio, 5 V DSP, 7.5 V SERVO and 5 V MP3 SW
Q624	14V SW	8V Audio, 5 V DSP, 7.5 V SERVO and 5 V MP3 SW
Q630	MP3 5V AVR	5V MP3 power supply
Q631	MP3 5V AVR	5V MP3 power supply
Q632,633	AUDIO DC/DC 11V AVR	11V Audio DC/DC CONV power supply
Q801-803	AUDIO -9V SW	
Q804,805	AUDIO 9V SW	
Q806	AUDIO 9V SW	
Q900	LED SW	LED SW for SRC and KENWOOD logos
Q930,931	PNL5V SW	5V Panel SW for SA-BPF and REMOTE-CON
Q960	BK SW	
Q961,962	VFD SW	

MICROCOMPUTER'S TERMINAL DESCRIPTION

● **System Microcomputer UPD703033GC060 (IC1 : Main unit)**

PinNo.	Pin name	I/O	Description	Processing Operation
1	AMP_MUTE	O	Muting control output to Power IC	Muting ON: Low. Muting OFF: High.
2	AMP_STBY	O	Standby control output to Power IC	Standby canceled: High. Standby mode: Low.
3	NC	O	Output open	
4	NC	O	Output open	
5	P_ANT	O	Power antenna control output	Radio mode: High. Other mode: Low.
6	EVdd		Connected to B-U 5 V	
7	EVss		Connected to GND	
8	P_CONT	O	Power control output	ON: High. OFF: Low.
9	BEEP	O	Beep output	Permanently "L".
10	EXT_AMP	O	External amp control output	
11	DIMMER	I	Dimmer detection input	Dimmer ON: Low. Dimmer OFF: High.
12	CH_CON	O	CD-CH control output	ON: High. OFF: Low.
13	CH_REQH	O	CD-CH send request output	Request: Low.
14	DSP_DATA	O	Data output to DSP_IC (M65849BFP)	
15	DSP_STB	O	Strobe output to DSP_IC (M65849BFP)	
16	DSP_CLK	O	Clock output to DSP_IC (M65849BFP)	
17	NC	O	Output open.	
18	IC/Vpp	O	Test	
19	IN_SEL	O	CD/CD-CH switching control output	CD: Low. CD-CH: High. Other source: L.
20	SA_MUTE	O	Signal muting output to spectrum analyzer	MUTE ON:HI
21	I2C_SDA	I/O	Data input/output from/to CD mechanism, E-VOL (TDA7407) and HPF	
22	I2C_SCK	I/O	Clock output to CD mechanism, E-VOL (TDA7407) and HPF	
23	MUTE	O	Muting control output (N-CH open drain)	MUTE ON:HI, MUTE OFF:LO
24	SW5V	O	5 V SW control output (N-CH open drain)	SW5V ON:LO, SW5V OFF:HI
25	F/E_DATA	I/O	Data input/output from/to F/E and PROM (N-CH open drain)	
26	F/E_CLK	I/O	Clock output to F/E and PROM (N-CH open drain)	
27	PRE_OUT_MUTE	O	PRE-OUT muting control output	Muting ON: Low. Muting OFF: High. Momentary power down: Low.
28	IFC	I	IF_COUNT input from F/E	Station detected: Low. Station not detected: High.
29	AM+B	O	AM power supply control output	AM ON:HI, AM OFF:LO
30	FM+B	O	FM power supply control output	FM ON:HI, FM OFF:LO
31	RESET	I	Reset input	LO:RESET ON
32	XT1		Connected to Sub X'tal	
33	XT2		Connected to Sub X'tal	
34	REGC		1 uF connected to GND.	
35	X2		Connected to Main X'tal	
36	X1		Connected to Main X'tal	
37	Vss		Connected to GND	
38	Vdd		Connected to B-U 5 V	
39	CLKOUT		Open	
40	NC	O	Output open.	
41	NC	O	Output open.	
42	P_ON	O	Internal power supply control	ON:HI, OFF:LO
43	VFD_ON	O	VFD power supply control output	VFD ON:HI, VFD OFF:LO
44	NC	O	Output open.	
45	PNL5V	O	5 V panel control output	PNL 5 V ON: High. PNL 5 V OFF: Low. Panel detached:Low. Momentary power down: Low.

MICROCOMPUTER'S TERMINAL DESCRIPTION

PinNo.	Pin name	I/O	Description	Processing Operation
46	NC	O		
47	PNL_DET	I	Panel position detection input	Panel open (SW ON): Low. Panel closed (SW OFF): High.
48	CD_MUTE	I	Muting input from CD mechanism	MUTE:LO
49	CD_MRST	O	Reset output to CD mechanism	RESET:LO
50	CD_MSTOP	O	Stop request to CD mechanism	STOP:LO
51	CD_LO/EJ	I/O	CD mechanism loading motor control (Load/Eject)	LOAD:LO EJ:HI
52	CD_LMON	O	CD mechanism loading motor control (ON/OFF)	LOAD:LO EJ:HI
53	CD_SW3	I	Input from CD mechanism SW3 (DOWN_SW input)	ON:HI
54	NC	O	Output open.	
55	BVdd		Connected to B-U 5 V	
56	BVss		Connected to GND	
57	DSI	O	DSI LED control output	Panel detached: ON. Panel attached: OFF.
58-64	NC	O	Output open.	
65	PN_MC_REQ/PANEL	I/O	Send request output to Panel uCOM/Panel detection input	Panel detection input. Panel ON: Low.
66	PAN_RST	O	Reset control output to Panel uCOM	Same function as PNL 5 V.
67	LED_SW	O	LED control output for EJECT SW and DISC _OUTPUT open.	ILL ON:HI, ILL OFF:LO
68,69		O	Output open.	
70	AVCONT	O	A/D reference voltage control output	During operation: High.
71	AVdd		Connected to B-U 5 V	
72	AVss		Connected to GND	
73	AVref		A/D reference voltage	
74	PHONE	I	PHONE detection input	TEL muting: 1 V or less. NAVI muting: 2,5 V or more.
75-78	NC	I	Resistor connected to GND	
79	MP3/CD	I	MP3/CD identification input	CD: Low. MP3: High.
80	S-METER	I	FM S-meter input from F/E	(Analog input)
81	TYPE1	I	Destination type ID input	K (North America): H. M (General overseas): L
82	TYPE2	I	Destination type ID input	K (North America): H. M (General overseas): H
83	NC	I	Resistor connected to GND	
84	ST_TYPE1	I	E-VOL setting selection input	Normal: Low. Special: High.
85	ST_TYPE2	I	E-VOL setting selection input	Normal: Low. Special: High.
86	NC	O	Output open.	
87	DISC_EJ_SW	I	CD EJECT SW input (Interrupt input)	CD ejection: Low. (Interrupt input)
88	CH_REQC	I	Send request input from CD-CH (Interrupt input)	ON: Low. (Interrupt input)
89	PN_SC_REQ	I	Send request from Panel uCOM	(Interrupt input)
90	CD_SW1	I	Input from CD_SW1 (Loading SW detection)	LO:ON, HI:OFF
91	CD_SW2	I	Input from CD_SW2 (12 cm CD detection)	LO:ON, HI:OFF
92	ACC_DET	I	Acc detection input	HI:ACC OFF, LO:ACC ON
93	BU_DET	I	B-U detection input (Interrupt input)	B-U power down: High. B-U normal: Low. Muting and mechanism operation stop should be executed quickly. (Interrupt input)
94	CH_DATAC	I	Data input from CD-CH	
95	CH_DATAH	O	Data output to CD-CH	
96	CH_CLK	I/O	Clock input/output from/to CD-CH	
97	PN_SC_DATA	I	Data input from Panel uCOM	
98	PN_MC_DATA	I/O	Data output to Panel uCOM	
99	PN_MC_CLK	O	Clock output to Panel uCOM	
100	NC	O	OUTPUT OPEN	

MICROCOMPUTER'S TERMINAL DESCRIPTION

● **Panel Microcomputer UPD703033GC062 (IC900 : Control uCOM)**

PinNo.	Pin name	I/O	Description	Processing Operation
1	VFD_DATA1	O	Data output "1" to VFD driver	
2	VFD_CLK	O	Clock output to VFD driver	
3	NC	I	Resistor connected to GND	
4	VFD_DATA2	O	Data output "2" to VFD driver	
5	VFD_CLK_IN	I	Clock input from VFD_CLK (For use in synchronization of DATA 1 and 2)	
6	EVdd		Connected to PNL 5 V	
7	EVss		Connected to GND	
8	NC	O	Output open.	
9	5V_ON	O	Power supply control output to Remote Control IC and SA_IC.	5V ON:HI, 5V OFF:LO
10	REMO	I	Remote control signal input	
11	NC	O	Output open.	
12	VFD_LATCH	O	Latch output to VFD driver	
13	VFD_GCP	O	Luminance gradation control output to VFD driver	
14	A13	O	Address output "A13" to external ROM	
15	A14	O	Address output "A14" to external ROM	
16	A15	O	Address output "A15" to external ROM	
17	VFD_BLK	O	Blank output to VFD driver	Display ON: High. Display OFF: Low.
18	IC/Vpp		Test	
19	A5	O	Address output "A5" to external ROM	
20	A6	O	Address output "A6" to external ROM	
21	A7	O	Address output "A7" to external ROM	
22	A8	O	Address output "A8" to external ROM	
23	A9	O	Address output "A9" to external ROM	
24	A10	O	Address output "A10" to external ROM	
25	A11	O	Address output "A11" to external ROM	
26	A12	O	Address output "A12" to external ROM	
27	A1	O	Address output "A1" to external ROM	
28	A2	O	Address output "A2" to external ROM	
29	A3	O	Address output "A3" to external ROM	
30	A4	O	Address output "A4" to external ROM	
31	RESET	I	Reset input	
32	XT1		Resistor connected to GND	
33	XT2		OPEN	
34	REGC		1 uF connected to GND	
35	X2		Connected to Main X'tal	
36	X1		Connected to Main X'tal	
37	Vss		Connected to GND	
38	Vdd		Connected to PNL 5 V	
39	CLKOUT		OPEN	
40	NC	O	OUTPUT OPEN	
41	NC	O	OUTPUT OPEN	

MICROCOMPUTER'S TERMINAL DESCRIPTION

PinNo.	Pin name	I/O	Description	Processing Operation
42	NC	O	OUTPUT OPEN	
43	OE	O	Output Enable output to external ROM	
44	CE	O	Chip Enable output to external ROM	
45	NC	O	OUTPUT OPEN	
46	NC	O	OUTPUT OPEN	
47	AD0	I	Data input "AD0" from external ROM	
48	AD1	I	Data input "AD1" from external ROM	
49	AD2	I	Data input "AD2" from external ROM	
50	AD3	I	Data input "AD3" from external ROM	
51	AD4	I	Data input "AD4" from external ROM	
52	AD5	I	Data input "AD5" from external ROM	
53	AD6	I	Data input "AD6" from external ROM	
54	AD7	I	Data input "AD7" from external ROM	
55	BVdd		Connected to PNL 5 V	
56	BVss		Connected to GND	
57	AD8	I	Data input "AD8" from external ROM	
58	AD9	I	Data input "AD9" from external ROM	
59	AD10	I	Data input "AD10" from external ROM	
60	AD11	I	Data input "AD11" from external ROM	
61	AD12	I	Data input "AD12" from external ROM	
62	AD13	I	Data input "AD13" from external ROM	
63	AD14	I	Data input "AD14" from external ROM	
64	AD15	I	Data input "AD15" from external ROM	
65	A16	O	Address output "A16" to external ROM	
66	A17	O	Address output "A17" to external ROM	
67	A18	O	Address output "A18" to external ROM	
68	A19	O	Address output "A19" to external ROM	
69	NC	O	OUTPUT OPEN	
70	A21	O	Address output "A21" to external ROM	
71	AVdd		Connected to PNL 5 V	
72	AVss		Connected to GND	
73	AVref			
74	SA_F01	I	Spectrum analyzer signal input (63Hz)	
75	SA_F02	I	Spectrum analyzer signal input (150Hz)	
76	SA_F03	I	Spectrum analyzer signal input (330Hz)	
77	SA_F04	I	Spectrum analyzer signal input (1KHz)	
78	SA_F05	I	Spectrum analyzer signal input (3.3KHz)	
79	SA_F06	I	Spectrum analyzer signal input (10KHz)	
80	LEVEL_M	I	MIX signal input for level meter	
81	KR5	I	Key return "5"	
82	KR4	I	Key return "4"	

MICROCOMPUTER'S TERMINAL DESCRIPTION

PinNo.	Pin name	I/O	Description	Processing Operation
83	KR3	I	Key return "3"	
84	KR2	I	Key return "2"	
85	KR1	I	Key return "1"	
86	PN_SC_REQ	O	Send request output to Main uCOM	
87	AVCONT	O	A/D reference voltage control output	Operating: High.
88	PN_SC_CON	I	Operation control input from Main uCOM	Operating: High. (Interrupt input)
89	NC	O	Output open.	
90	SOURCE	I	SRC key input	ON: High. OFF: Low. (Interrupt input)
91	BLUE	O	Blue LED control output	LED ON:HI, LED OFF:LO
92	PN_MC_REQ	I	Send request input from Main uCOM	
93	KS4	O	Key scan "4"	
94	KS3	O	Key scan "3" and Flash uCOM write port	
95	KS2	O	Key scan "2" and Flash uCOM write port	
96	KS1	O	Key scan "1" and Flash uCOM write port	
97	PN_SC_DATA	I	Data input from Main uCOM	
98	PN_MC_DATA	O	Data output to Main uCOM	
99	PN_MC_CLK	I	Clock input from Main uCOM	
100	NC	I	Resistor connected to GND	

MICROCOMPUTER'S TERMINAL DESCRIPTION

● **Mechanism Microcomputer M30620MCAB12GP (IC1 : X32)**

PinNo.	Pin name	I/O	Description	Processing Operation
1-5	NC	O	Not used	L
6	BYTE	I	8-bit/16-bit path width switching	H
7	CNVss	I		L
8,9	NC	O	Not used	L
10	RESET	I	Reset terminal	Reset: Low. Normal: High.
11	Xout	O	Clock output	
12	Vss	-	Connected to GND	
13	Xin	I	Clock input	
14	Vcc	-		
15	NMI	I		Interrupt: Low. Normal: H.
16	INT3	I	Servo DSP (processor) interrupt terminal	Interrupt: Low. Normal: H.
17	INT2	I	Servo DSP (decoder) interrupt terminal	Interrupt: Low. Normal: H.
18	INT1	I	Servo DSP (ATAPI) interrupt terminal	Interrupt: Low. Normal: H.
19,20	NC	O	Not used	L
21	DCS	O	DAC Chip Select	L:SELECT
22	PD	O	Peripheral IC reset	Reset: Low. Normal: High.
23	ML	O	Data latch line for DAC-uCOM communication	Latch: High.
24	MC	O	Clock line for DAC-uCOM communication	
25	MD	O	Data line for DAC-uCOM communication	
26	NC	O	Not used	L
27	I2C_CLK	I/O	Mechanism control communication terminal (Clock)	
28	I2C_DATA	I/O	Mechanism control communication terminal (Data)	
29	MP3_I2C_DATA	I/O	STA013 control communication terminal (Data)	
30	R	O	Flash write terminal	L
31	MP3_I2C_CLK	I/O	STA013 control communication terminal (Clock)	
32	W	O	Flash write terminal	L
33	MP3_DATA	O	MP3 data send terminal (Data)	
34	NC	O	Not used	L
35	MP3_CLK	O	MP3 data send terminal (Clock)	
36	MP3_REQ	I	MP3 data request terminal	
37	WAIT	I	Multiplexed path Wait terminal	L:BUSY H:READY
38	ALE	O	Multiplexed path terminal	
39	HOLD	I	Flash write terminal	L
40	HLDA	O	-	L
41	NC	O	Not used	L
42	RDM	O	Multiplexed path terminal	
43	NC	O	Not used	L
44	WRM	O	Multiplexed path terminal	
45	NC	O	Not used	L
46	CS2	O	M24B Chip Select	L:SELECT
47-50	NC	O	Not used	L

MICROCOMPUTER'S TERMINAL DESCRIPTION

PinNo.	Pin name	I/O	Description	Processing Operation
51	SCTL	O	RF 1x/2x speed switching	2x: Low. 1x: High
52,53	NC	O	Not used	
54	MUTE-R	O	Muting (Right) terminal	Muting: Low
55	MUTE-L	O	Muting (Left) terminal	Muting: Low
56	LDON	O	Laser ON/OFF terminal	L:OFF H:ON
57	MP3/CD	O	CDDA/MP3 switching terminal	L:CDDA H:MP3
58	PON	O	Peripheral IC power supply control terminal	L:OFF H:ON
59	CDRW	O	RE switching terminal	Other: Low. RW: High.
60	Vcc	-	Connected to BU 5V lines	
61	NC	O	Not used	L
62	Vss	-	Connected to GND	
63	AD7	I/O	Address/Data (Bit 7) line	
64	AD6	I/O	Address/Data (Bit 6) line	
65	AD5	I/O	Address/Data (Bit 5) line	
66	AD4	I/O	Address/Data (Bit 4) line	
67	AD3	I/O	Address/Data (Bit 3) line	
68	AD2	I/O	Address/Data (Bit 2) line	
69	AD1	I/O	Address/Data (Bit 1) line	
70	AD0	I/O	Address/Data (Bit 0) line	
71	RFOK	I	RFOK interrupt terminal (Not used)	Interrupt: Low. Normal: High.
72	MSTOP	I	MSTOP detection terminal	Interrupt: Low. Normal: High.
73	INT4	I	Servo DSP (servo) interrupt terminal	Interrupt: Low. Normal: High.
74-78	NC	O	Not used	L
79	T3	I	Test port for electrical checking	L
80	T2	I	Test port for electrical checking	L
81	T1	I	Test port for electrical checking	L
82	EMPH	I	Emphasis ON/OFF	L:OFF H:ON
83	RFOK	I	RFOK terminal	L:NG H:OK
84	NC	O	Not used	L
85	SW3	I	Inner edge detection switch	L:ON H:OFF
86	DETECT	I	Detrack amount	L:DETECT
87-93	NC	O	Not used	L
94	AGND	-	Connected to GND	
95,96	NC	O	Not used	L
97	Avcc	-	Connected to BU 5V lines	
98-100	NC	O	Not used	L

TEST MODE

System Microcomputer Test Mode

(1) How to enter the test mode

While holding the EQ and ATT keys with All OFF, press the SRC key.

(2) How to exit from the test mode

Reset the unit.

(Note) The test mode cannot be terminated by Acc OFF, power OFF or momentary power down.

(3) Initial condition in the test mode

- Source: All OFF.
- Display: All ON.
- Volume: -10 dB (displayed as "30").
- LOUD: OFF.
- CRSC: OFF regardless of whether or not the switching function is provided.
- SYSTEM Q: Flat.

(4) Special display in TUNER mode

If any of the following messages are displayed in TUNER mode, the front end or other part may be abnormal.

- "TNE2P NG": The EEPROM remains in the initial value (undefined values) because the F/E was shipped without passing the adjustment process, etc.
- "TNCON NG": Communication with the F/E is not available.

(5) CD receiver test mode specifications

- Forced ejection at reset start is inhibited. The CD is not recognized when the set is reset with the CD loaded in it.
- Pressing the Track Up key jumps to the following tracks in cycle: No. 9→No. 15→No. 10→No. 11→No. 12→No. 13→No. 14→No. 9 (return to the beginning)
- Pressing the Track Down key jumps to the previous track to the track being played.

(6) Audio specifications

- A short press (tapping) of the Q key initiates the audio adjustment mode.
- Pressing the ∗ key on the remote initiates the audio adjustment mode.
- Successive press of the remote key is inhibited.
- Bass, Middle and Treble can be adjusted in 3 steps of MIN, Center and MAX with the Track Up/Down keys.
- Balance can be adjusted in 3 steps of Left MAX, Center and Right MAX with the Track Up/Down keys.
- Fader can be adjusted in 3 steps of Rear MAX, Center and Front MAX with the Track Up/Down keys.
- HPF can be adjusted in 2 steps of Through and 220 Hz with the Track Up/Down keys:
- LPF can be adjusted in 2 steps of Through and 120 Hz with the Track Up/Down keys.
- Bass F, Bass Q, Bass EXT, Middle F, Middle Q and Treble F are not dealt with in the audio adjustment mode.

(7) Menu specifications

- Pressing the DNPP/SBF key on the remote initiates the Menu mode.
- Successive press of the remote key is inhibited.
- The calendar adjustment and calendar display switching is eliminated.

(8) Back-Up current measurement

- When the set is reset with Acc OFF (when the Back-Up current is turned ON), the MUTE terminal goes OFF in 2 seconds instead of 15 seconds.
- When Acc is turned OFF in the test mode, the MUTE terminal goes OFF in 2 seconds instead of 15 seconds. The CD/MD mechanisms are not activated at this time.

(9) Special display when display is All ON

Pressing one of the PRESET keys while all display is ON in the All OFF mode displays the information as shown below.

[PRESET1]	Version display (8 digits, Month/Day/Hour/Minute) (Display) YS xxxxxxxx System microcomputer PAN xxxxxxx Panel microcomputer
[PRESET2]	Serial No. display (8 digits) (Note) The display is not compatible with MSG. (Display) SNo. xxxxxxxx
[PRESET3]	Short press: Display power ON time (The All OFF time is not counted.) Long press: Clear power ON time (Display) Pon Tim xxxxx Max. 65535 (hr)
[PRESET4]	Short press: Display CD/MD operating time Long press: Clear CD/MD operating time (Display) CD Time xxxxx (CD/R, MP3/R) MD Time xxxxx (MD/R) Max. 65535 (hr)
[PRESET5]	Short press: Display CD/MD ejection count Long press: Clear CD/ME ejection count (Display) Eje Tim xxxxx Max. 65535 (times)
[PRESET6]	Short press: Display open/close count Long press: Clear open/close count (Display) PnCnt xxxxxx Max. 655350 (times)

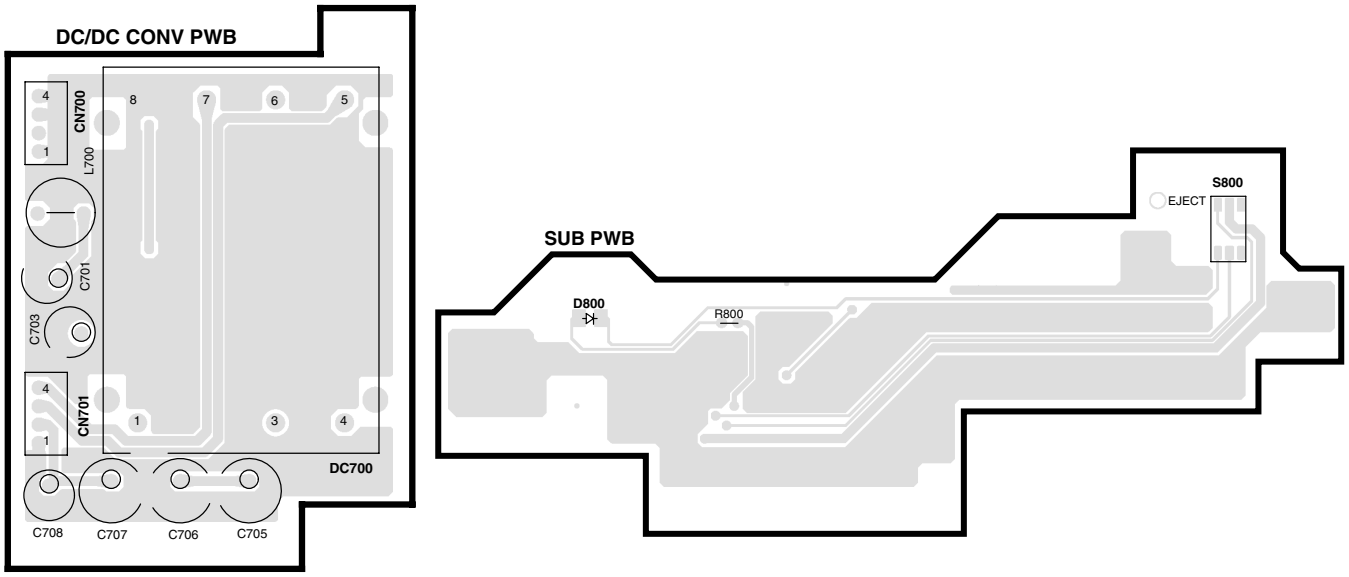
(10) Other

- Messages such as "CODE OFF" are not displayed at power ON.
- Pressing the TI (AUTO) key during the changer operation turns ON 2zone, which can be turned OFF also with the TI (AUTO) key. The P/S dot lights while 2zone is ON.

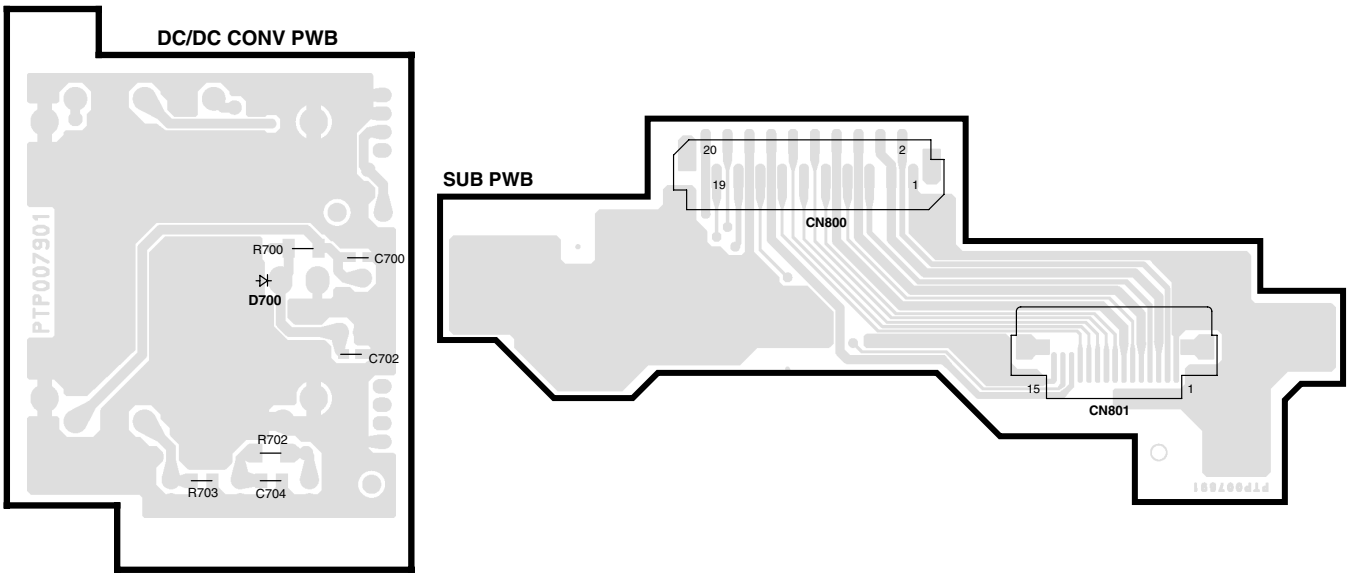
■ Security specifications

- Forced power ON mode (All models) Even when the security mode is permitted, the power can be turned ON for only 30 minutes by pressing the SRC key while holding the ATT and PRESET 4 keys depressed. After 30 minutes have elapsed, the set can be restored only by resetting it.
- Method of security code registration after EEPROM (F/E) replacement (Code security models)
  1. Enter the test mode. (See "(1) How to enter the test mode".)
  2. Press the CLK key to enter the security registration mode.
  3. Enter the code by pressing the PRESET 1/2/3/4 keys.
     Example: To enter "3510"
     - Press the PRESET 1 key 4 times.
     - Press the PRESET 2 key 6 times.
     - Press the PRESET 3 key 2 times.
     - Press the PRESET 4 key once.
  4. Press and hold the DISP key for 3 seconds until "APPROVED" is displayed.
  5. Exit from the test mode. (See "(2) How to exit from the test mode".)
     (Note) The security code of these models cannot be subjected to the All Clear operation.
- Method of clearing the simplified security code (K Type only)
  1. While holding the DISP key during the code request mode, press and hold the VOL Up key for 3 seconds (until "----" disappears).
  2. Enter "KCAR" from the remote. (Same as the 00 model) Press the "5" key on the remote 2 times then press the Track Up key. (This enters "K".)
     Press the "2" key on the remote 3 times then press the Track Up key. (This enters "C".)
     Press the "2" key on the remote once then press the Track Up key. (This enters "A".)
     Press the "7" key on the remote 2 times then press the Track Up key. (This enters "R".)
  3. The security mode is exited and the set enters the All OFF mode.
  4. If an erroneous code is entered, the set enters the code request mode again.

PC BOARD (COMPONENT SIDE VIEW)



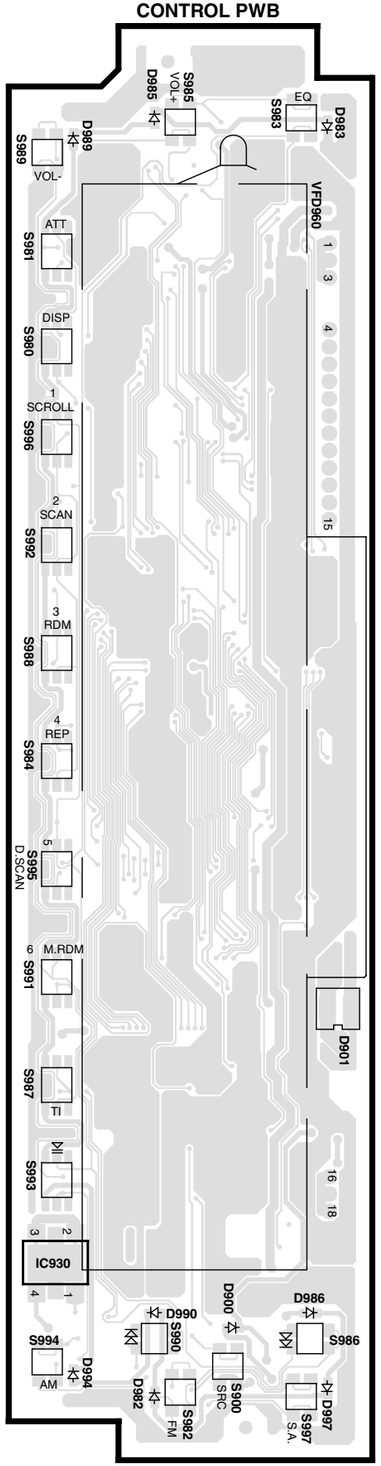
(FOIL SIDE VIEW)



Refer to the schematic diagram for the values of resistors and capacitors.

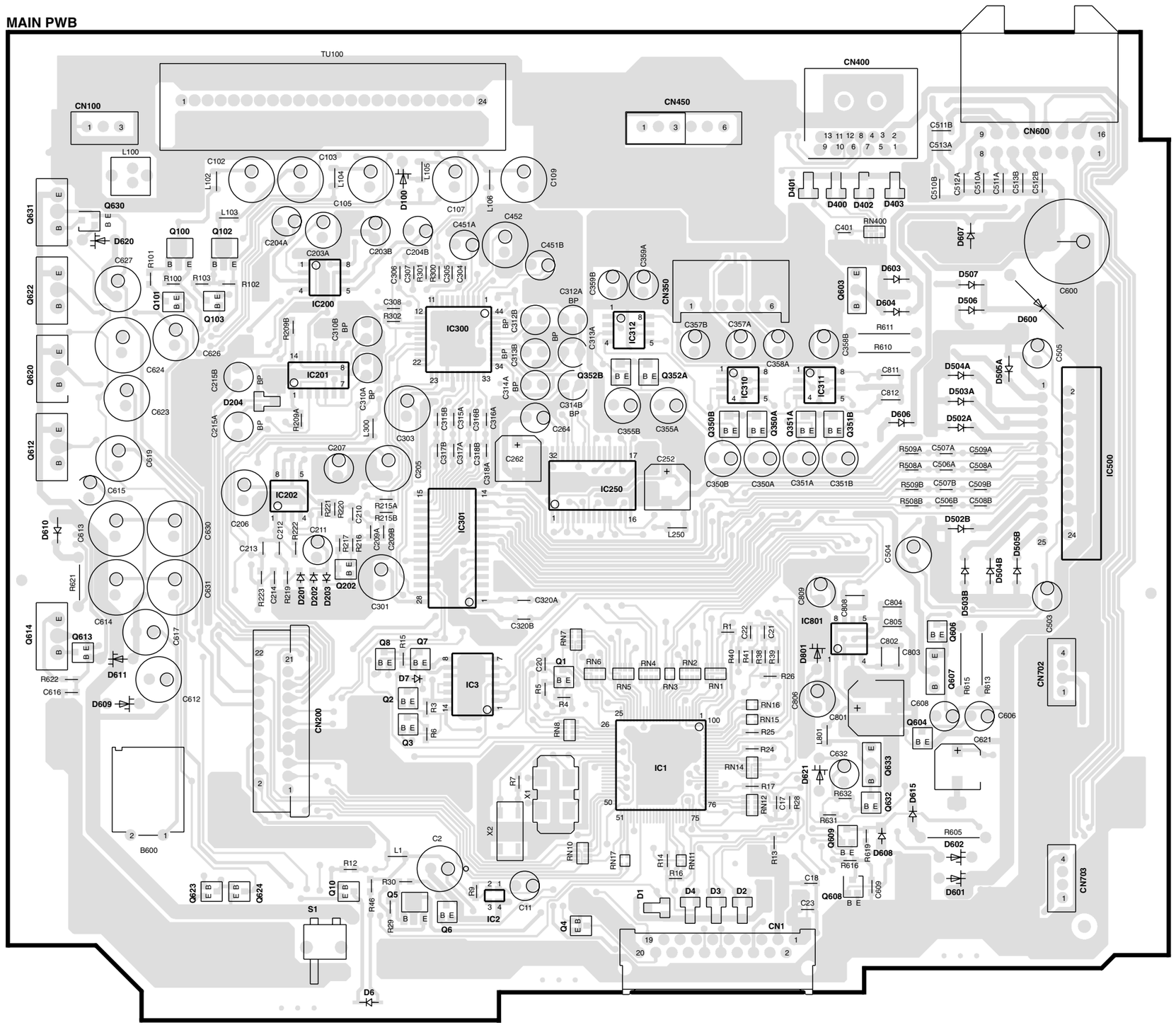
PC BOARD (COMPONENT SIDE VIEW)

CONTROL PWB



IC	Q	
930		6F

MAIN PWB

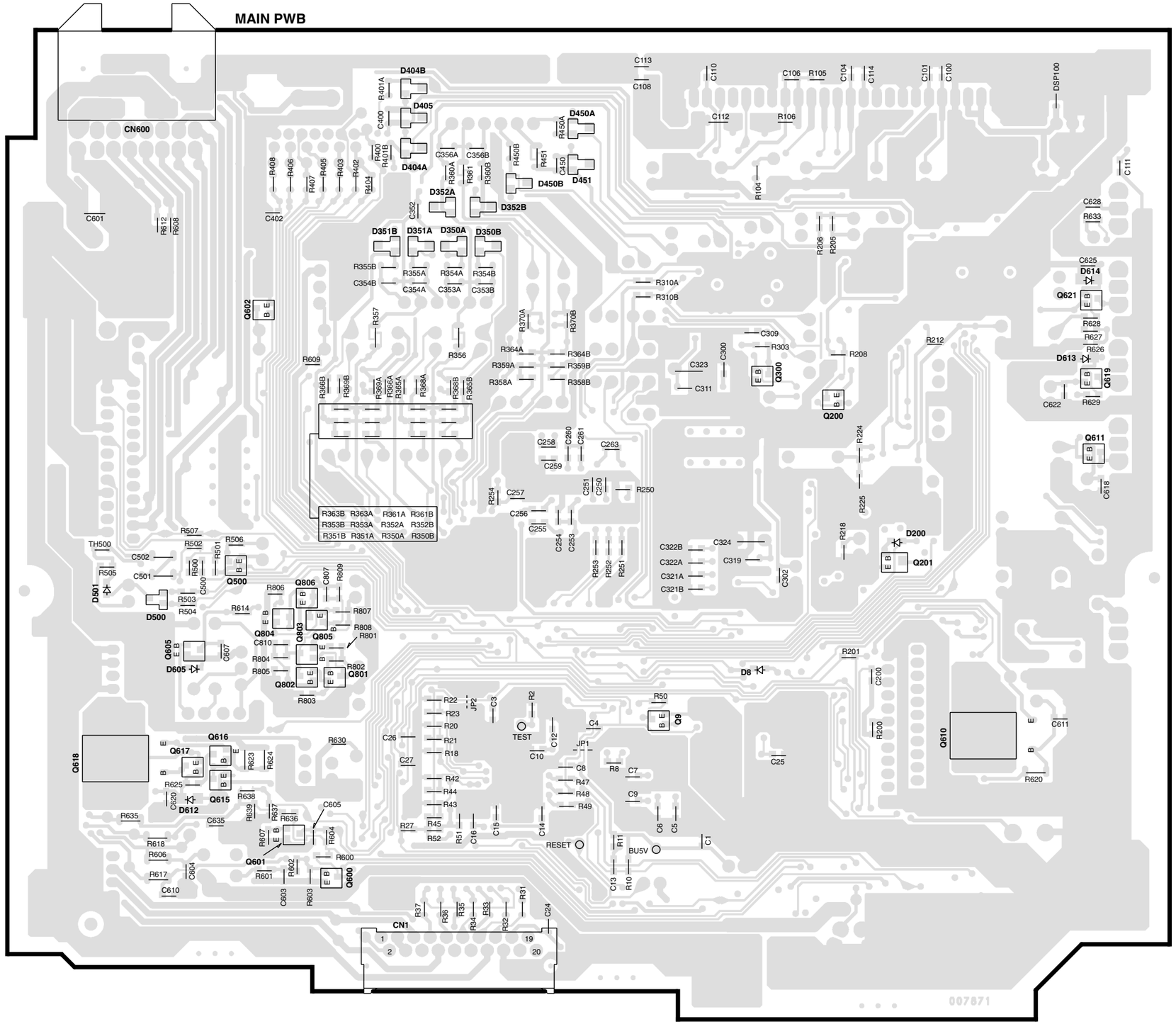


IC	Q	
1		6L
2		6K
3		5K
200		3J
201		3J
202		4J
250		4L
300		3K
301		4K
500		4N
	1	5K
	2	5J
	3	5J
	4	6K
	5	6J
	6	6K
	100	3I
	101	3I
	102	3I
	103	3I
	202	4J
	350A	4L
	350B	4L
	351A	4M
	351B	4M
	603	3M
	604	5M
	606	5N
	607	5N
	608	6M
	609	6M
	612	4H
	613	5I
	614	5H
	620	3H
	622	3H
	623	6I
	624	6I
	630	2I
	631	2H

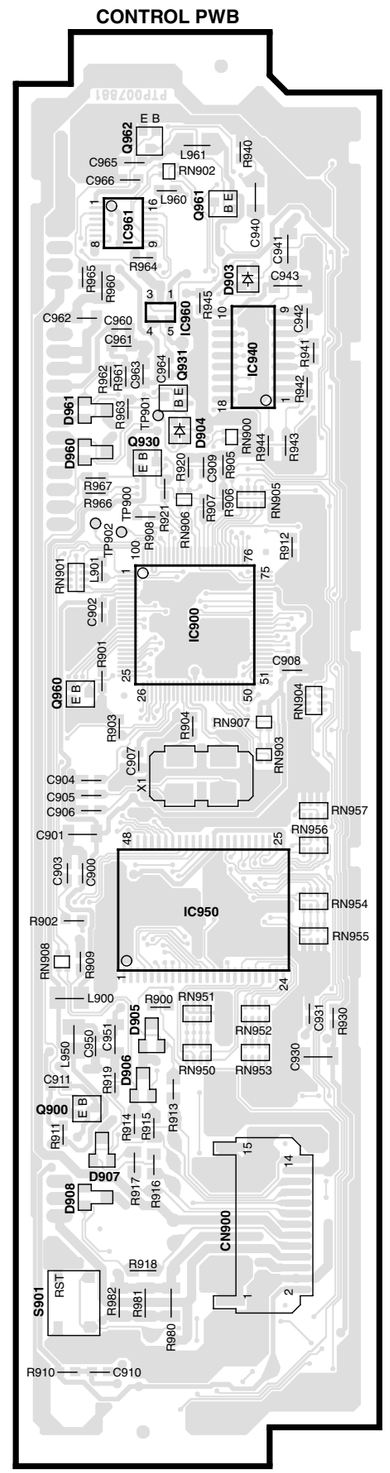
Refer to the schematic diagram for the values of resistors and capacitors.

PC BOARD (FOIL SIDE VIEW)

MAIN PWB



CONTROL PWB

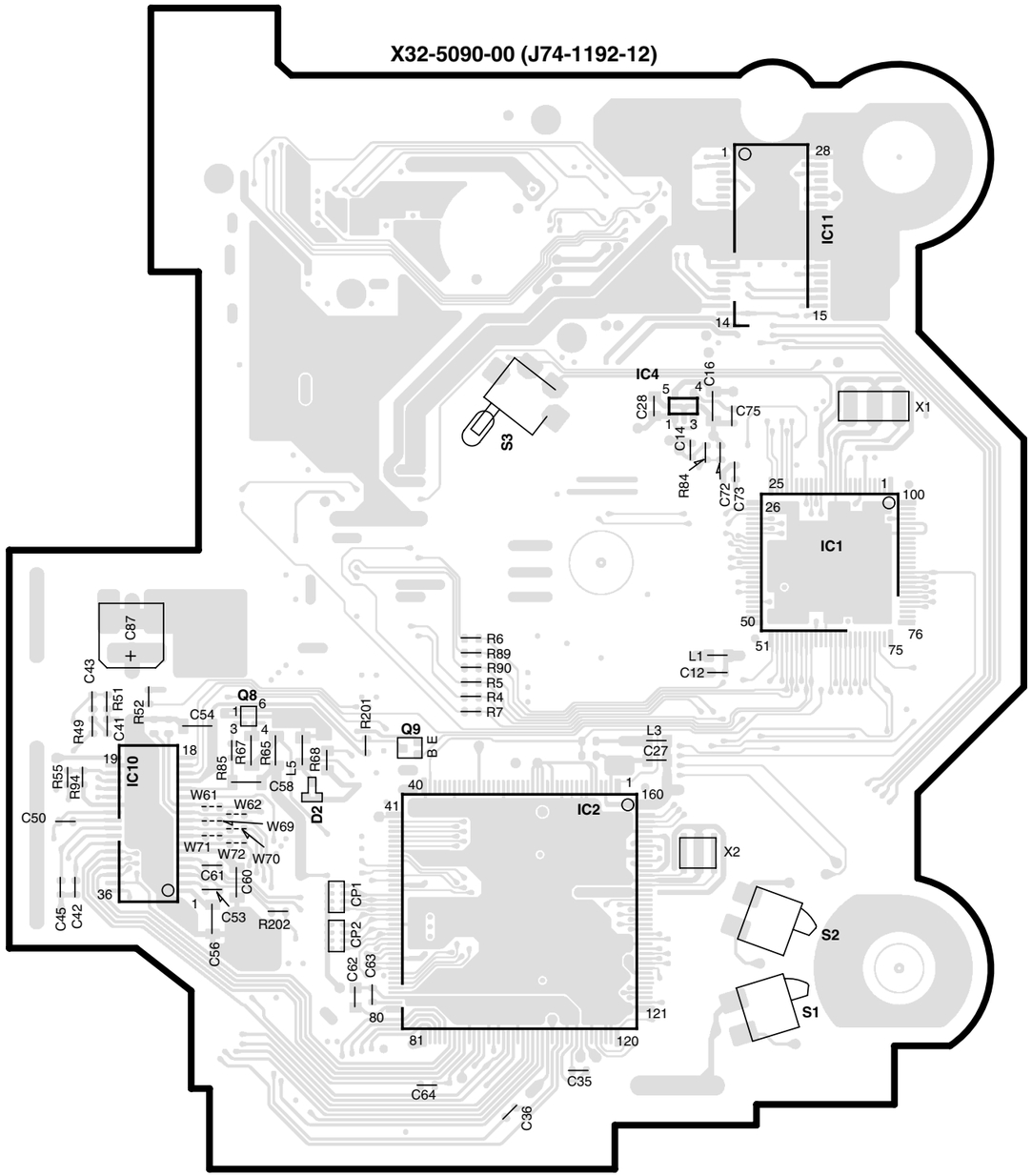


Q	
9	5T
200	4U
201	4U
300	3T
600	6R
601	6Q
602	3Q
605	5Q
610	5U
611	4V
615	6Q
616	5Q
617	6Q
618	6Z
619	3V
621	3V

IC	Q	
900		4X
940		3X
950		5X
960		2X
961		2X
	900	6X
	930	3X
	931	3X
	960	4X
	961	2X
	962	2X

Refer to the schematic diagram for the values of resistors and capacitors.

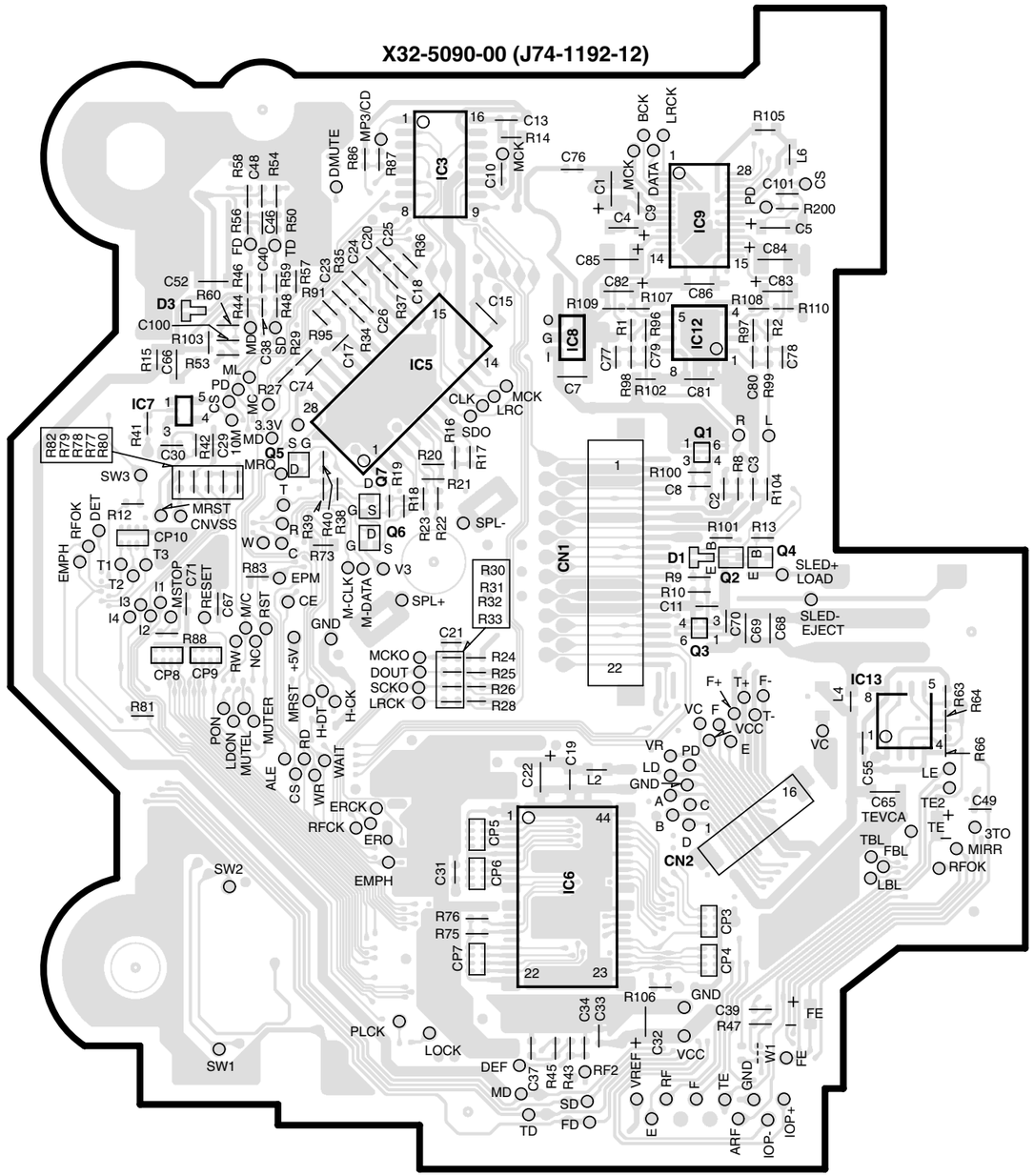
PC BOARD (COMPONENT SIDE VIEW)



X32-5090-00

IC	1	2	4	10	11		
Q						8	9
addres	4A	5A	3A	5Z	2A	4A	5A

(FOIL SIDE VIEW)



X32-5090-00

IC	3	5	6	7	8	9	12	13						
Q									1	2	3	4	5	6	7
addres	2A	3A	5A	3A	3A	2A	3A	5AI	3A	4A	4A	4A	3A	4A	4A

Refer to the schematic diagram for the values of resistors and capacitors.

(X32-5090-00)

IC1 : M30620MCAA99GP
IC2 : UPD63724B
IC3 : TC74HC157AF
IC4 : LP2982-3.3
IC5 : STA013
IC6 : MSM514260CP-60
IC7 : TC7SH04F
IC8 : TA78L05F
IC9 : PCM1716
IC10 : UPC2575GS
IC11 : BA5917AFP
IC12 : NJM5532MD
IC13 : NJM2903M

Q1,3,8 : MCH6101
Q2,4,9 : DTC124EUA
Q5-7 : 2SK3018

D1-3 : DAN202U

SIGNAL LINE
GND LINE
+B LINE

IC2 CD SIGNAL PROCESSOR
IC3 QUAD MULTIPLEXER
IC9 24Bit D/A CONVERTER
IC8 5V AVR
IC12 OP AMP
IC6 4MBit DRAM
IC5 MP3 AUDIO DECODER
IC4 (BOTTOM VIEW) 3.3V AVR
IC7 INVERTER
IC10 RF AMP
IC13 VIBRATION DETECTOR
IC1 MECHA. CONTROL MI-COM
4ch BTL DRIVER
LOADING & SLED MOTOR
SPINDLE MOTOR
DM2 (X92-)
DM1 (X92-)
to DPU1 (X92-)
to CN5 (X25-)
CN1 D. OUT
CN2
Q3 D. 5V SW
Q1 A. 8V SW
Q4 MOTOR SW
Q2 P ON SW
Q9 EQ SW
Q6 Q7 Q5-7 LEVEL SHIFT
D1 D2 D3
L1 L2 L3 L4 L5
S1 : LOAD DET. SW
S2 : 12cm DISC DET. SW
S3 : DOWN & LIMIT SW

CAUTION : For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list).
⚠ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

- DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

K L M N O P Q R S T

1 2 3 4 5 6 7

MAIN UNIT

TU100

F/E

ANT.

CN100

CN400

CN200

to X32-5080/X32-5030

IC1

SYSTEM u-COM

IC2

RST

IC3

MUTE

IC200

ISO

IC201

(BOTTOM VIEW)

SW

IC202

BUFF

IC300

E-VOL/MPX

Q100 Q101 Q102 Q103 Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9 Q10 Q200 Q201 Q202 Q300

D100 D200 D201 D202 D203 D204 D400 D401 D402 D403 D404A D404B D405 D700

CN1 CN700 CN701 CN702 CN703

DC/DC CONV UNIT

DC/DC CONV

DC700

PNL DET SW

S1

RN1 RN2 RN3 RN4 RN5 RN6 RN7 RN8 RN10 RN11 RN12 RN14 RN16 RN17

X1 20MHz

X2 32.768KHz

L100 52mH

L700 56uH

L1 4.7uH

2SB1565

DTA144EUA
DTC114YUA
DTC343TK
2SA1576A

2SB1132

2SB1184

2SB1443

2SC4081

DTA114EUA
DTA124EUA
DTC114EUA
DTC124EUA
DTC144EUA

NJM2903M
NJM4565MD
NJM5532MD

DAN202U

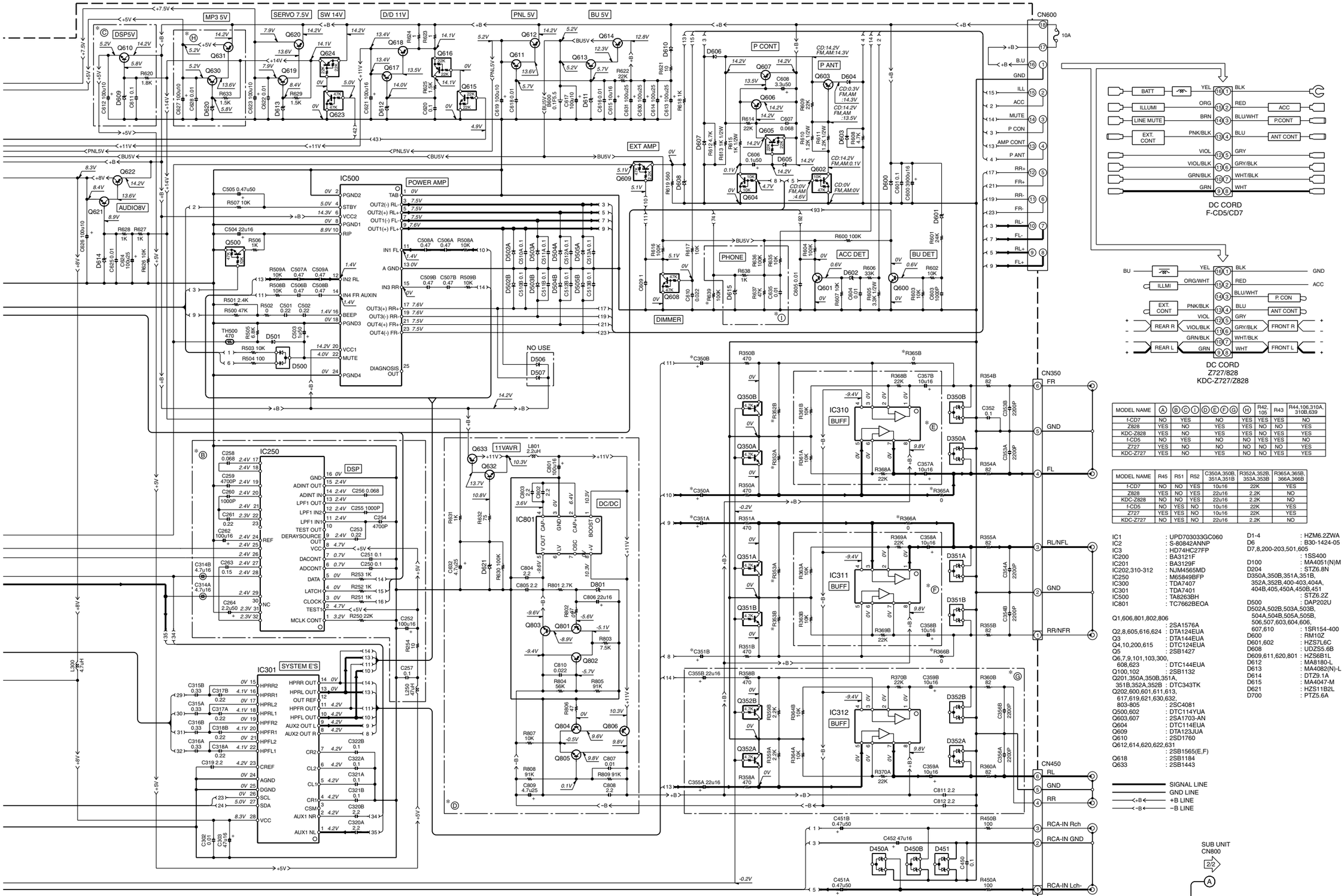
TA78L05F

DAP202U

DA227

BA3129F

BA3830F



DC CORD
F-CD5/CD7

DC CORD
Z727/828
KDC-Z727/Z828

MODEL NAME	Ⓐ	ⒷⒸⒾ	ⒹⒺⒻⒼ	Ⓗ	R42, 105	R43	R44,106,310A, 310B,639
I-CD7	NO	YES	NO	YES	YES	YES	NO
Z828	YES	NO	YES	YES	NO	NO	YES
KDC-Z828	YES	NO	YES	YES	NO	YES	YES
I-CD5	NO	YES	NO	NO	YES	YES	NO
Z727	YES	NO	NO	NO	NO	NO	YES
KDC-Z727	YES	NO	NO	NO	NO	YES	YES

MODEL NAME	R45	R51	R52	C350A,350B, 351A,351B	R352A,352B, 353A,353B	R365A,365B, 366A,366B
I-CD7	NO	NO	YES	10u16	22K	YES
Z828	YES	NO	YES	22u16	2.2K	NO
KDC-Z828	NO	NO	YES	22u16	2.2K	NO
I-CD5	NO	YES	NO	10u16	22K	YES
Z727	YES	YES	NO	10u16	22K	YES
KDC-Z727	NO	YES	NO	22u16	2.2K	NO

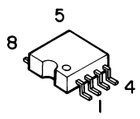
IC1 : UPD703033GC060
IC2 : S-80842ANNP
IC3 : HD74HC27FP
IC200 : BA3121F
IC201 : BA3129F
IC202,310-312 : NJM4565MD
IC250 : M65849SFP
IC300 : TDA7407
IC301 : TDA7401
IC500 : TA8263BH
IC801 : TC7662BEOA

Q1,606,801,802,806 : 2SA1576A
Q2,8,605,616,624 : DTA124EUA
Q3 : DTA144EUA
Q4,10,200,615 : DTC124EUA
Q5 : 2SB1427
Q6,7,9,101,103,300, 608,623 : DTC144EUA
Q100,102 : 2SB1132
Q201,350A,350B,351A, 351B,352A,352B : DTC343TK
Q202,600,601,611,613, 617,619,621,630,632, 803-805 : 2SC4081
Q500,602 : DTC114YUA
Q603,607 : 2SA1703-AN
Q604 : DTC114EUA
Q609 : DTA123JUA
Q610 : 2SD1760
Q612,614,620,622,631 : 2SB1565(E,F)
Q618 : 2SB1184
Q633 : 2SB1443

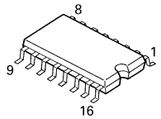
D1-4 : HZM6.2ZWA
D6 : B30-1424-05
D7,8,200-203,501,605 : 1SS400
D100 : MA4051(N)M
D204 : STZ6.8N
D350A,350B,351A,351B, 352A,352B,400-403,404A, 404B,405,450A,450B,451 : STZ6.2Z
D500 : DAP202U
D502A,502B,503A,503B, 504A,504B,505A,505B, 506,507,603,604,606, 607,610 : 1SR154-400
D600 : RM10Z
D601,602 : HZS7L6C
D608 : UDZS5.6B
D609,611,620,801 : HZS6B1L
D612 : MA8180-L
D613 : MA4082(N)-L
D614 : DTZ9.1A
D615 : MA4047-M
D621 : HZS11B2L
D700 : PTZ5.6A

SIGNAL LINE
GND LINE
+B LINE
−B LINE

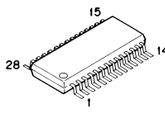
BA3121F



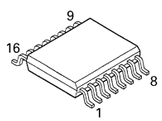
TC74HC157AF



PCM1716E

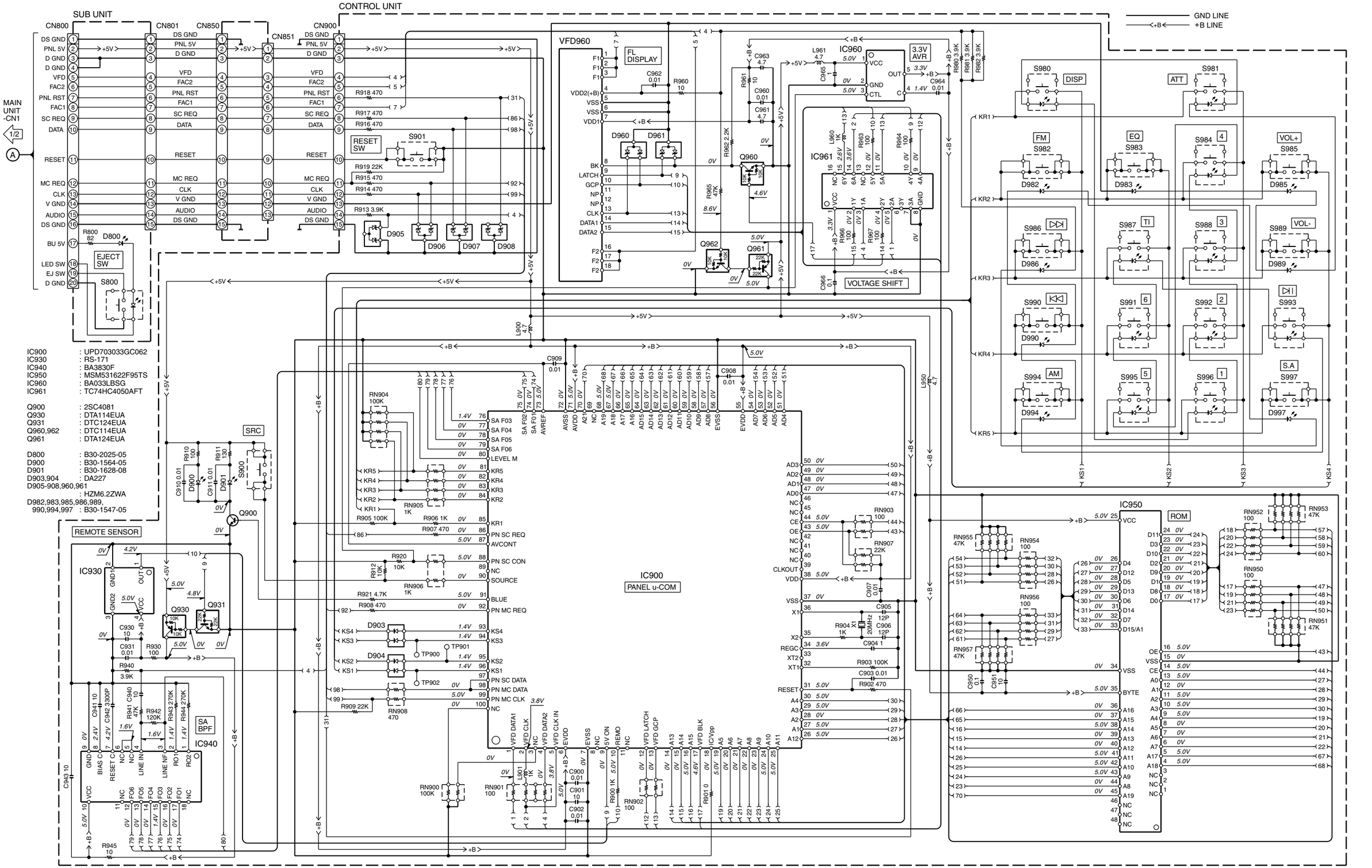


TC74HC4050AF T



CAUTION : For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list).
⚠ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.
• DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

KDC-Z828,Z828
KENWOOD



IC900 : UPD703033GC062
IC930 : RS-171
IC940 : BA3830F
IC950 : MSM531622F95TS
IC960 : BA033LBSG
IC961 : TC74HC4050AFT

Q900 : 2SC4081
Q930 : DTA114EUA
Q931 : DTC124EUA
Q960,962 : DTC114EUA
Q961 : DTA124EUA

D800 : B30-2025-05
D900 : B30-1564-05
D901 : B30-1628-08
D903,904 : DA227
D905-908,960,961 : HZM6.2ZWA
D982,983,985,986,989, 990,994,997 : B30-1547-05

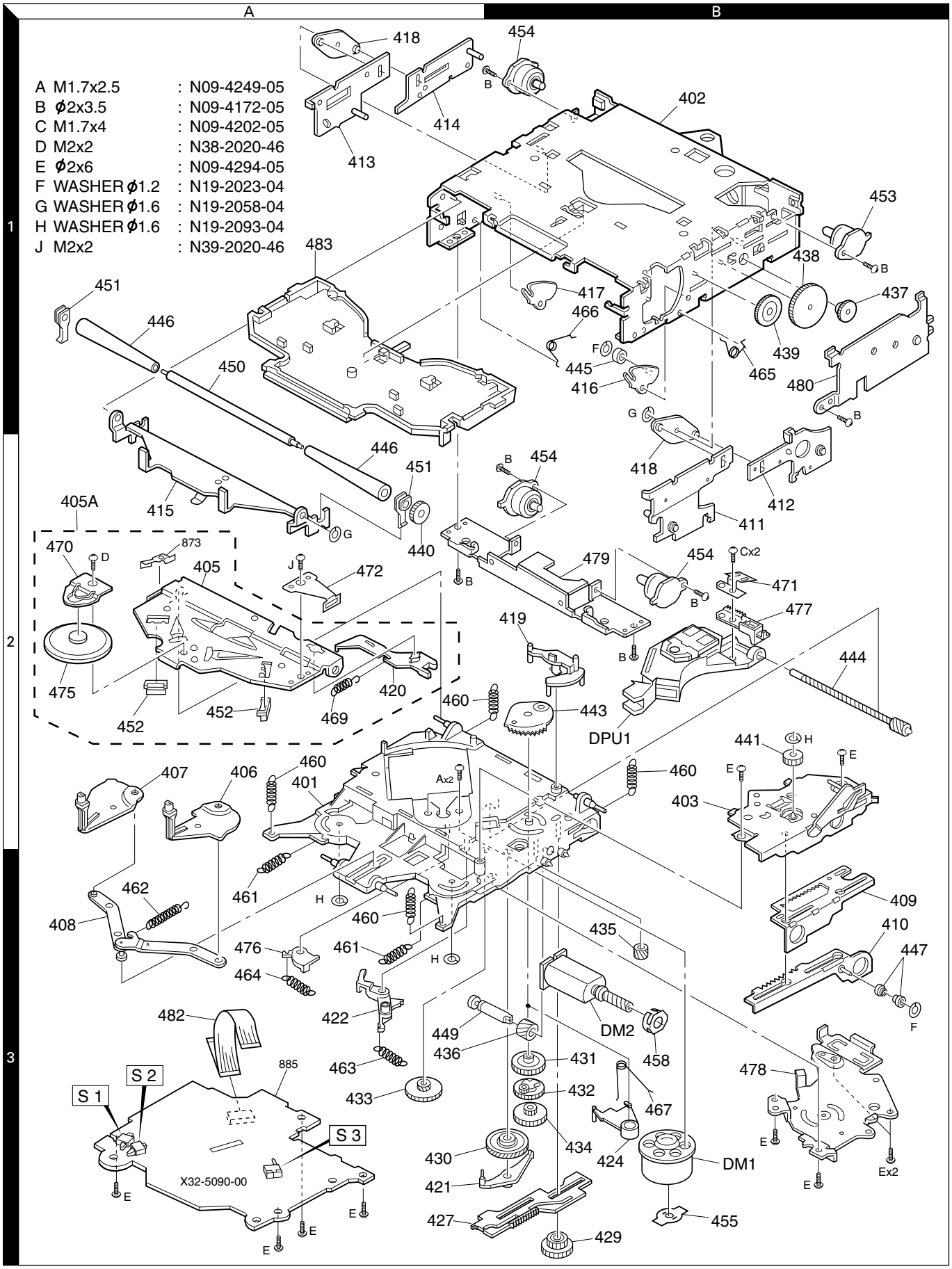
CAUTION : For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list).
⚠ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

- DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

KDC-Z828,Z828

KENWOOD

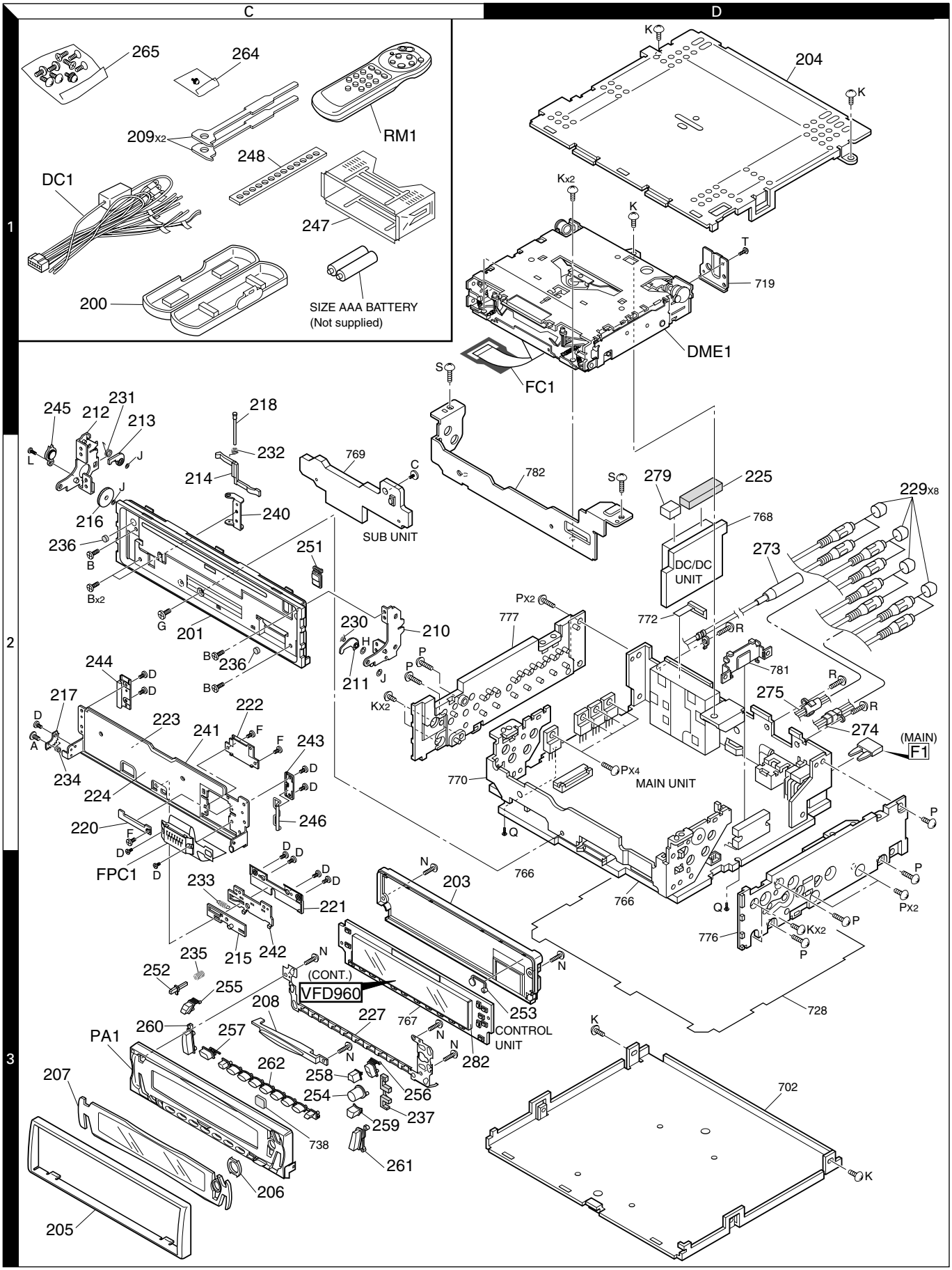
EXPLODED VIEW (MECHANISM)



Parts with the exploded numbers larger than 700 are not supplied.

KDC-Z828,Z828

EXPLODED VIEW (UNIT)



 Parts with the exploded numbers larger than 700 are not supplied.

PARTS LIST

＊New Parts
Parts without **Parts No.** are not supplied.
Les articles non mentionnes dans le **Parts No.** ne sont pas fournis.
Teile ohne **Parts No.** werden nicht geliefert.

Ref. No.	Add	New	Parts No.	Description	Destina
KDC-Z828/Z828					
200	1C	*	A02-2711-08	PLASTIC CABINET ASSY	
201	2C	*	A22-2928-08	SUB PANEL ASSY	
M					
201	2C	*	A22-2936-08	SUB PANEL ASSY	K
203	3C	*	A46-1744-08	REAR COVER	
204	1D	*	A52-0800-08	TOP PLATE	
PA1	3C	*	A64-2473-08	PANEL(FRONT)ASSY	
M					
PA1	3C	*	A64-2625-08	PANEL(FRONT)ASSY	K
RM1	1C		A70-0894-05	REMOTE CONTROLLER ASSY(RC-520)	
205	3C	*	B07-3038-08	ESCUTCHEON	
M					
205	3C	*	B07-3048-08	ESCUTCHEON	K
206	3C	*	B07-3036-08	DECORATION(SRC)ASSY	
207	3C	*	B10-4200-08	FRONT GLASS ASSY	K
207	3C	*	B10-4201-08	FRONT GLASS ASSY	
M					
208	3C	*	B19-2126-08	LIGHTING BOARD	
-			B46-0100-50	WARRANTY CARD	
-			B46-0606-04	ID CARD	K
-			B46-0612-14	ID CARD	
M					
-		*	B64-2011-00	INSTRUCTION MANUAL (ENGLISH)	K
-		*	B64-2012-00	INSTRUCTION MANUAL (ENG.CHI.)	M
-		*	B64-2013-00	INSTRUCTION MANUAL (FRE.SPA.)	K
209	1C		D10-4364-08	LEVER (KEY)	
210	2C	*	D10-4634-08	ARM	
211	2C	*	D10-4635-08	LEVER ASSY	
212	1C	*	D10-4637-08	ARM ASSY (L)	
213	2C	*	D10-4639-08	LEVER (RELEASE)	
214	2C	*	D10-4640-08	LEVER (SW)	
215	3C	*	D10-4641-08	LEVER LOCK ASSY	
216	2C	*	D13-2218-08	GEAR (B)	
217	2C	*	D13-2219-08	GEAR (A)	
218	1C	*	D21-2397-08	SHAFT (SW)	
DC1	1C	*	E30-6021-08	DC CORD ASSY	
FC1	1D	*	E39-0432-08	22P FLAT CABLE	
220	2C	*	F07-1100-08	COVER (FLEX)	
221	3C	*	F07-1101-08	COVER (LOCK)	
222	2C	*	F07-1102-08	COVER (CONECTOR)	
223	2C	*	F09-1712-08	SHEET,PROTECT (B)	
224	2C	*	F09-1713-08	SHEET,PROTECT (A)	
225	2D	*	F09-1721-08	SHEET (DC/DC)	
227	3C	*	F10-1865-08	DISCHARGE PLATE	
229	2D		F29-0049-05	INSULATING COVER	
230	2C	*	G09-2043-08	SPRING	
231	1C	*	G09-2044-08	SPRING (RELEASE)	
232	2C	*	G09-2045-08	SPRING (SW)	
233	3C	*	G09-2046-08	SPRING	
234	2C	*	G09-2047-08	SPRING (MAIN)	
235	3C	*	G09-2048-08	SPRING (OPEN)	
236	2C	*	G13-1252-08	CUSHION (SUB)	

Ref. No.	Add	New	Parts No.	Description	Destina
-		*	H54-2156-08	ITEM CARTON CASE	K
-		*	H54-2157-08	ITEM CARTON CASE	
M					
240	2C	*	J19-5108-08	HOLDER (LEVER)	
241	2C	*	J19-5109-08	BRACKET ASSY	
242	3C	*	J19-5112-08	PLATE,HOLDER	
243	2C	*	J19-5113-08	HOLDER (SPRING)	
244	2C	*	J19-5114-08	HOLDER (PANEL)	
245	2C	*	J19-5122-08	ROTARY DAMPER	
246	2C	*	J19-5123-08	HOLDER ASSY	
247	1C	*	J21-9585-18	MOUNTING HARDWARE ASSY	
248	1C	*	J54-0606-04	STAY	
FPC1	3C	*	J84-0138-08	FLEXIBLE PWB ASSY	
251	2C	*	K24-3795-08	KNOB (EJECT)	
252	3C	*	K24-3796-08	KNOB (RELEASE)	
M					
252	3C	*	K24-3834-08	KNOB (RELEASE)	K
253	3C	*	K24-3797-08	KNOB (RESET)	
254	3C	*	K24-3798-08	KNOB (SRC)	
255	3C	*	K24-3833-08	KNOB (EQ)	
256	3C	*	K24-3800-08	KNOB (SA)	
257	3C	*	K24-3801-08	KNOB (ATT)	
258	3C	*	K24-3802-08	KNOB (FF)	
259	3C	*	K24-3803-08	KNOB (REW)	
260	3C	*	K25-1369-08	KNOB (VOL)	
261	3C	*	K25-1370-08	KNOB (AM/FM)	
262	3C	*	K25-1371-08	KNOB (PRESET)	
264	1C	*	N99-1716-08	SCREW SET	
265	1C	*	N99-1700-05	SCREW SET	
A	2C	*	N09-4491-08	MACHINE SCREW	
B	2C	*	N09-4498-08	MACHINE SCREW	
C	2C	*	N09-4499-08	MACHINE SCREW	
D	2C	*	N09-4500-08	MACHINE SCREW	
F	2C	*	N09-6002-08	MACHINE SCREW	
G	2C	*	N09-6003-08	MACHINE SCREW	
H	2C	*	N19-2164-08	FLAT WASHER	
J	2C	*	N19-2165-08	FLAT WASHER	
K	3D		N30-3004-46	PAN HEAD MACHINE SCREW	
L	2C		N35-2004-45	BINDING HEAD MACHINE SCREW	
N	3C		N82-2006-46	BINDING HEAD TAPTITE SCREW	
T	1D		N35-2004-46	BINDING HEAD MACHINE SCREW	
MAIN UNIT					
D6			B30-1424-05	LED (CL-150SR)	
B600			C91-2134-08	ELECTRO 0.10F 5.5WV	
C1			CK73GB1H103K	CHIP C 0.010UF K	
C2			CE04CW1A101M	ELECTRO 100UF 10WV	
C3			CK73GB1H103K	CHIP C 0.010UF K	
C4			CK73GB1H103K	CHIP C 0.010UF K	
C5			CC73GCH1H220J	CHIP C 22PF J	
C6			CC73GCH1H220J	CHIP C 22PF J	
C7			CC73GCH1H120J	CHIP C 12PF J	
C8			CK73GB1H103K	CHIP C 0.010UF K	

E: Europe **K:** North America **M:** Other Areas
W: Without Europe

K : Z828
M : KDC-Z828

⚠ indicates safety critical

KDC-Z828,Z828

PARTS LIST

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MAIN UNIT

Ref. No.	Add	New	Parts No.	Description			Destina
C10			CK73GB0J105K	CHIP C	1.0UF	K	
C11			C90-2610-05	ELECTRO	2.2UF	50WV	
C12 -16			CK73GB1H103K	CHIP C	0.010UF	K	
C17			CK73GB1H102K	CHIP C	1000PF	K	
C18			CK73GB1H104K	CHIP C	0.10UF	K	
C20 -22			CK73GB1H103K	CHIP C	0.010UF	K	
C23			CK73FB1C104K	CHIP C	0.10UF	K	
C24			CK73FB1C104K	CHIP C	0.10UF	K	
C25			CK73GB1H103K	CHIP C	0.010UF	K	
C26			CK73GB1H102K	CHIP C	1000PF	K	
C27			CK73GB1H102K	CHIP C	1000PF	K	
C100			CK73GB1H103K	CHIP C	0.010UF	K	
C101			CK73GB1H103K	CHIP C	0.010UF	K	
C102			CE04CW1A101M	ELECTRO	100UF	10WV	
C103			CE04CW1A101M	ELECTRO	100UF	10WV	
C104			CK73GB1H103K	CHIP C	0.010UF	K	
C105			CE04CW1A101M	ELECTRO	100UF	10WV	
C106			CK73GB1H103K	CHIP C	0.010UF	K	
C107			CE04CW1A101M	ELECTRO	100UF	10WV	
C108			CK73GB1H103K	CHIP C	0.010UF	K	
C109			CE04CW1A101M	ELECTRO	100UF	10WV	
C111			CK73GB1H103K	CHIP C	0.010UF	K	
C112			CK73EB1E104K	CHIP C	0.10UF	K	
C113			CK73GB1H104K	CHIP C	0.10UF	K	
C200			CK73GB1H473K	CHIP C	0.047UF	K	
C203A			CE04CW1C220M	ELECTRO	22UF	16WV	
C203B			C90-2597-05	ELECTRO	10UF	16WV	
C204A,B			CE04CW1V4R7M	ELECTRO	4.7UF	35WV	
C205			CE04CW1A101M	ELECTRO	100UF	10WV	
C206			CE04CW1A101M	ELECTRO	100UF	10WV	
C207			C90-2597-05	ELECTRO	10UF	16WV	
C209A,B			CK73GB1H104K	CHIP C	0.10UF	K	
C210			CK73FF1A475Z	CHIP C	4.7UF	Z	
C211			C90-2597-05	ELECTRO	10UF	16WV	
C212			CK73FF1A475Z	CHIP C	4.7UF	Z	
C213			CK73FF1A475Z	CHIP C	4.7UF	Z	
C214			CK73GB1H102K	CHIP C	1000PF	K	
C215A,B			C90-2600-05	ELECTRO	2.2UF	35WV	
C300			CK73GB1H103K	CHIP C	0.010UF	K	
C301			CE04CW1C470M	ELECTRO	47UF	16WV	
C302			CK73GB1H103K	CHIP C	0.010UF	K	
C303			CE04CW1C470M	ELECTRO	47UF	16WV	
C304			CK73GB1H333K	CHIP C	0.033UF	K	
C305			CK73GB1H103K	CHIP C	0.010UF	K	
C306			CK73GB1A474K	CHIP C	0.47UF	K	
C307			CC73FCH1H151J	CHIP C	150PF	J	
C308			CK73GB1H104K	CHIP C	0.10UF	K	
C309			CK73GB1H104K	CHIP C	0.10UF	K	
C310A,B			C90-2600-05	ELECTRO	2.2UF	35WV	
C311			CK73FB1A225K	CHIP C	2.2UF	K	
C312A,B			C90-2524-05	NP-ELEC	4.7UF	16WV	
C313A,B			C90-2524-05	NP-ELEC	4.7UF	16WV	
C315A,B			CK73GB1A334K	CHIP C	0.33UF	K	
C316A,B			CK73GB1A334K	CHIP C	0.33UF	K	
C317A,B			CK73GB1A224K	CHIP C	0.22UF	K	
C318A,B			CK73GB1A224K	CHIP C	0.22UF	K	
C319			CK73FB1A225K	CHIP C	2.2UF	K	
C320A,B			CK73FB1A225K	CHIP C	2.2UF	K	
C321A,B			CK73GB1H104K	CHIP C	0.10UF	K	
C322A,B			CK73GB1H104K	CHIP C	0.10UF	K	
C350A,B			CE04CW1C220M	ELECTRO	22UF	16WV	
C351A,B			CE04CW1C220M	ELECTRO	22UF	16WV	
C352			CK73FB1C104K	CHIP C	0.10UF	K	
C353A,B			CK73FB1H222K	CHIP C	2200PF	K	
C354A,B			CK73FB1H222K	CHIP C	2200PF	K	
C355A,B			CE04CW1C220M	ELECTRO	22UF	16WV	
C356A,B			CK73FB1H222K	CHIP C	2200PF	K	
C357A,B			C90-2597-05	ELECTRO	10UF	16WV	
C358A,B			C90-2597-05	ELECTRO	10UF	16WV	
C359A,B			C90-2597-05	ELECTRO	10UF	16WV	
C400			CK73FB1C104K	CHIP C	0.10UF	K	
C401			CK73FB1C104K	CHIP C	0.10UF	K	
C450			CK73FB1C104K	CHIP C	0.10UF	K	
C451A,B			C90-2606-05	ELECTRO	0.47UF	50WV	
C452			CE04CW1C470M	ELECTRO	47UF	16WV	
C501			CK73EB1H224K	CHIP C	0.22UF	K	
C502			CK73EB1H224K	CHIP C	0.22UF	K	
C503			C90-2877-08	ELECTRO	1.0UF	50WV	
C504			CE04CW1C220M	ELECTRO	22UF	16WV	
C505			C90-2613-05	ELECTRO	0.47UF	50WV	
C506A,B			CK73FB1C474K	CHIP C	0.47UF	K	
C507A,B			CK73FB1C474K	CHIP C	0.47UF	K	
C508A,B			CK73FB1C474K	CHIP C	0.47UF	K	
C509A,B			CK73FB1C474K	CHIP C	0.47UF	K	
C510A,B			CK73EB1E104K	CHIP C	0.10UF	K	
C511A,B			CK73EB1E104K	CHIP C	0.10UF	K	
C512A,B			CK73EB1E104K	CHIP C	0.10UF	K	
C513A,B			CK73EB1E104K	CHIP C	0.10UF	K	
C600			C90-2822-05	ELECTRO	3900UF	16WV	
C603			CK73GB1H102K	CHIP C	1000PF	K	
C604			CK73GB1H103K	CHIP C	0.010UF	K	
C605			CK73GB1H103K	CHIP C	0.010UF	K	
C606			CE04CW1H0R1M	ELECTRO	0.1UF	50WV	
C607			CK73GB1H683K	CHIP C	0.068UF	K	
C608			CE04CW1H3R3M	ELECTRO	3.3UF	50WV	
C609			CK73GB0J105K	CHIP C	1.0UF	K	
C610			C93-1151-08	CHIP C	0.022UF	K	
C613			CE04CW1E101M	ELECTRO	100UF	25WV	
C614			CE04CW1E101M	ELECTRO	100UF	25WV	
C615			C90-2597-05	ELECTRO	10UF	16WV	
C616			CK73GB1H103K	CHIP C	0.010UF	K	
C617			CE04CW1A101M	ELECTRO	100UF	10WV	
C618			CK73GB1H103K	CHIP C	0.010UF	K	
C619			CE04CW1A101M	ELECTRO	100UF	10WV	
C620			CK73GB1H104K	CHIP C	0.10UF	K	
C621		*	C92-1682-08	ELECTRO	100UF	16WV	
C622			CK73GB1H103K	CHIP C	0.010UF	K	
C623			CE04CW1A101M	ELECTRO	100UF	10WV	
C624			CE04CW1E101M	ELECTRO	100UF	25WV	
C625			CK73GB1H103K	CHIP C	0.010UF	K	

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Ref. No.	Add	New	Parts No.	Description	Destination
C626			CE04CW1A101M	ELECTRO 100UF 10WV	
C627			CE04CW1A101M	ELECTRO 100UF 10WV	
C628			CK73GB1H103K	CHIP C 0.010UF K	
C630			CE04CW1E101M	ELECTRO 100UF 25WV	
C631			CE04CW1E101M	ELECTRO 100UF 25WV	
C632			CE04CW1V4R7M	ELECTRO 4.7UF 35WV	
C801		*	C92-1683-08	ELECTRO 100UF 16WV	
C802-805			CK73EB1C225K	CHIP C 2.2UF K	
C806			CE04CW1C220M	ELECTRO 22UF 16WV	
C807			CK73GB1H103K	CHIP C 0.010UF K	
C808			CK73EB1C225K	CHIP C 2.2UF K	
C809			CE04CW1V4R7M	ELECTRO 4.7UF 35WV	
C810			C93-1151-08	CHIP C 0.022UF K	
C812			CK73EB1C225K	CHIP C 2.2UF K	
273	2D		E30-4857-08	CORD WITH PLUG (ANT)	
274	2D	*	E30-6019-08	CORD WITH PLUG (PRE OUT)	
275	2D	*	E30-6020-08	CORD WITH PLUG (RCA)	
CN1			E40-9490-05	PIN ASSY (20P)	
CN100			E40-9757-08	PIN ASSY (3P)	
CN200			E40-9550-05	FLAT CABLE CONNECTOR (22P)	
CN350		*	E41-0165-08	PIN ASSY (6P)	
CN400			E56-0834-05	CYLINDRICAL RECEPTACLE(13P DIN	
CN450		*	E41-0164-08	PIN ASSY (6P)	
CN600			E58-0836-05	RECTANGULAR RECEPTACLE (16P)	
279	2D	*	F12-0752-08	SHIELDING TUBE	
F1	2D		F06-1032-05	FUSE 10A	
L1			L33-1127-08	CHOKE COIL 4.7uH	
L100			L33-1123-05	AM ANT COIL	
L102-106			L33-1127-08	CHOKE COIL 4.7uH	
L300			L33-1127-08	CHOKE COIL 4.7uH	
L801			L40-2295-34	CHOKE COIL 2.2uH	
X1		*	L77-2790-08	CRYSTAL RESONATOR 20MHz	
X2			L78-0533-05	RESONATOR 32.768KHz	
K	1D		N30-3004-46	PAN HEAD MACHINE SCREW	
P	2D		N35-3006-46	BINDING HEAD MACHINE SCREW	
Q	3D		N30-2005-45	PAN HEAD MACHINE SCREW	
R	2D		N89-3006-46	BINDING HEAD TAPTITE SCREW	
S	1D		N09-4497-08	MACHINE SCREW	
JP1			R92-2053-05	CHIP R 0 J 1/8W	
JP2			R92-1252-05	CHIP R 0 OHM	
R1			RK73GB1J473J	CHIP R 47K J 1/16W	
R2			R92-1252-05	CHIP R 0 OHM	
R3			RK73GB1J104J	CHIP R 100K J 1/16W	
R4			RK73GB1J222J	CHIP R 2.2K J 1/16W	
R5			RK73GB1J223J	CHIP R 22K J 1/16W	
R6			RK73GB1J472J	CHIP R 4.7K J 1/16W	
R7			RK73GB1J684J	CHIP R 680K J 1/16W	
R8			RK73GB1J102J	CHIP R 1.0K J 1/16W	
R9			RK73GB1J473J	CHIP R 47K J 1/16W	
R10			RK73GB1J473J	CHIP R 47K J 1/16W	
R11			RK73GB1J471J	CHIP R 470 J 1/16W	
R12			RK73GB1J472J	CHIP R 4.7K J 1/16W	
R14			RK73GB1J471J	CHIP R 470 J 1/16W	

Ref. No.	Add	New	Parts No.	Description	Destination
R15			R92-1252-05	CHIP R 0 OHM	
R16			RK73GB1J105J	CHIP R 1.0M J 1/16W	
R17			RK73GB1J222J	CHIP R 2.2K J 1/16W	
R18			RK73GB1J473J	CHIP R 47K J 1/16W	
R20			RK73GB1J473J	CHIP R 47K J 1/16W	
R22			RK73GB1J473J	CHIP R 47K J 1/16W	
R24			RK73GB1J472J	CHIP R 4.7K J 1/16W	
R25			RK73GB1J472J	CHIP R 4.7K J 1/16W	
R26 -28			RK73GB1J104J	CHIP R 100K J 1/16W	
R29			RK73GB1J223J	CHIP R 22K J 1/16W	
R30			RK73GB1J472J	CHIP R 4.7K J 1/16W	
R31			RK73FB2A392J	CHIP R 3.9K J 1/10W	
R32			RK73FB2A471J	CHIP R 470 J 1/10W	
R33			RK73FB2A471J	CHIP R 470 J 1/10W	
R34			RK73FB2A102J	CHIP R 1.0K J 1/10W	
R35			RK73FB2A471J	CHIP R 470 J 1/10W	
R36			RK73FB2A102J	CHIP R 1.0K J 1/10W	
R37			RK73FB2A102J	CHIP R 1.0K J 1/10W	
R38			RK73GB1J471J	CHIP R 470 J 1/16W	
R39			RK73GB1J473J	CHIP R 47K J 1/16W	
R40			RK73GB1J471J	CHIP R 470 J 1/16W	
R41			RK73GB1J473J	CHIP R 47K J 1/16W	
R43 -45			RK73GB1J473J	CHIP R 47K J 1/16W	M
R46			RK73GB1J331J	CHIP R 330 J 1/16W	
R47 -49			RK73GB1J102J	CHIP R 1.0K J 1/16W	
R50			RK73GB1J473J	CHIP R 47K J 1/16W	
R52			RK73GB1J473J	CHIP R 47K J 1/16W	
R100			RK73GB1J223J	CHIP R 22K J 1/16W	
R101			RK73GB1J222J	CHIP R 2.2K J 1/16W	
R102			RK73GB1J223J	CHIP R 22K J 1/16W	
R103			RK73GB1J222J	CHIP R 2.2K J 1/16W	
R104			RK73FB2A151J	CHIP R 150 J 1/10W	
R106			R92-2053-05	CHIP R 0 J 1/8W	
R200			RK73GB1J104J	CHIP R 100K J 1/16W	
R201			RK73GB1J222J	CHIP R 2.2K J 1/16W	
R205			RK73GB1J104J	CHIP R 100K J 1/16W	
R206			RK73GB1J104J	CHIP R 100K J 1/16W	
R208			RK73GB1J473J	CHIP R 47K J 1/16W	
R209A,B			RK73GB1J473J	CHIP R 47K J 1/16W	
R212			RK73GB1J100J	CHIP R 10 J 1/16W	
R215A,B			RK73GB1J394J	CHIP R 390K J 1/16W	
R216			RK73GB1J103J	CHIP R 10K J 1/16W	
R217			RK73GB1J471J	CHIP R 470 J 1/16W	
R218			RK73GB1J473J	CHIP R 47K J 1/16W	
R219			RK73GB1J472J	CHIP R 4.7K J 1/16W	
R220			RK73GB1J333J	CHIP R 33K J 1/16W	
R221			RK73GB1J242J	CHIP R 2.4K J 1/16W	
R222			RK73GB1J104J	CHIP R 100K J 1/16W	
R223			RK73GB1J392J	CHIP R 3.9K J 1/16W	
R224			RK73GB1J822J	CHIP R 8.2K J 1/16W	
R225			RK73GB1J103J	CHIP R 10K J 1/16W	
R300			RK73GB1J103J	CHIP R 10K J 1/16W	
R301			RK73GB1J472J	CHIP R 4.7K J 1/16W	
R302			RK73GB1J472J	CHIP R 4.7K J 1/16W	
R303			RK73GB1J102J	CHIP R 1.0K J 1/16W	

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KDC-Z828,Z828

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MAIN UNIT

Ref. No.	Add	New	Parts No.	Description	Destination
R310A,B			R92-1252-05	CHIP R 0 OHM	
R350A,B			RK73GB1J471J	CHIP R 470 J 1/16W	
R351A,B			RK73GB1J471J	CHIP R 470 J 1/16W	
R352A,B			RK73GB1J222J	CHIP R 2.2K J 1/16W	
R353A,B			RK73GB1J222J	CHIP R 2.2K J 1/16W	
R354A,B			RK73FB2A820J	CHIP R 82 J 1/10W	
R355A,B			RK73FB2A820J	CHIP R 82 J 1/10W	
R358A,B			RK73GB1J471J	CHIP R 470 J 1/16W	
R359A,B			RK73GB1J222J	CHIP R 2.2K J 1/16W	
R360A,B			RK73FB2A820J	CHIP R 82 J 1/10W	
R361A,B			RK73GB1J103J	CHIP R 10K J 1/16W	
R363A,B			RK73GB1J103J	CHIP R 10K J 1/16W	
R364A,B			RK73GB1J103J	CHIP R 10K J 1/16W	
R368A,B			RK73GB1J223J	CHIP R 22K J 1/16W	
R369A,B			RK73GB1J223J	CHIP R 22K J 1/16W	
R370A,B			RK73GB1J223J	CHIP R 22K J 1/16W	
R400			RK73FB2A470J	CHIP R 47 J 1/10W	
R401A,B			RK73FB2A101J	CHIP R 100 J 1/10W	
R402			RK73FB2A470J	CHIP R 47 J 1/10W	
R403			RK73FB2A102J	CHIP R 1.0K J 1/10W	
R404			RK73FB2A102J	CHIP R 1.0K J 1/10W	
R405			RK73FB2A222J	CHIP R 2.2K J 1/10W	
R406			RK73FB2A472J	CHIP R 4.7K J 1/10W	
R407			RK73FB2A472J	CHIP R 4.7K J 1/10W	
R408			RK73FB2A470J	CHIP R 47 J 1/10W	
R450A,B			RK73FB2A101J	CHIP R 100 J 1/10W	
R500			RK73GB1J473J	CHIP R 47K J 1/16W	
R501			RK73GB1J242J	CHIP R 2.4K J 1/16W	
R502			R92-1252-05	CHIP R 0 OHM	
R503			RK73GB1J103J	CHIP R 10K J 1/16W	
R504			RK73GB1J101J	CHIP R 100 J 1/16W	
R505			RK73GB1J682J	CHIP R 6.8K J 1/16W	
R507			RK73GB1J103J	CHIP R 10K J 1/16W	
R508A,B			RK73GB1J103J	CHIP R 10K J 1/16W	
R509A,B			RK73GB1J103J	CHIP R 10K J 1/16W	
R600			RK73GB1J104J	CHIP R 100K J 1/16W	
R601			RK73GB1J243J	CHIP R 24K J 1/16W	
R602			RK73GB1J103J	CHIP R 10K J 1/16W	
R603			RK73GB1J103J	CHIP R 10K J 1/16W	
R604			RK73GB1J104J	CHIP R 100K J 1/16W	
R605			RD14DB2H332J	SMALL-RD 3.3K J 1/2W	
R606			RK73EB2B333J	CHIP R 33K J 1/8W	
R607			RK73GB1J103J	CHIP R 10K J 1/16W	
R608			RK73GB1J472J	CHIP R 4.7K J 1/16W	
R609			RK73GB1J223J	CHIP R 22K J 1/16W	
R610			R90-1044-08	FL-PROOF RS 1.2K J 1/2W	
R611			R90-1044-08	FL-PROOF RS 1.2K J 1/2W	
R612			RK73GB1J472J	CHIP R 4.7K J 1/16W	
R613			RD14DB2H102J	SMALL-RD 1.0K J 1/2W	
R614			RK73GB1J223J	CHIP R 22K J 1/16W	
R615			RD14DB2H102J	SMALL-RD 1.0K J 1/2W	
R616			RK73GB1J104J	CHIP R 100K J 1/16W	
R617			RK73EB2B103J	CHIP R 10K J 1/8W	
R618			RK73EB2B102J	CHIP R 1.0K J 1/8W	
R619			RK73GB1J561J	CHIP R 560 J 1/16W	

Ref. No.	Add	New	Parts No.	Description	Destination
R622			RK73GB1J223J	CHIP R 22K J 1/16W	
R623			RK73EB2B1R0J	CHIP R 1.0 J 1/8W	
R624			RK73EB2B1R0J	CHIP R 1.0 J 1/8W	
R625			RK73GB1J152J	CHIP R 1.5K J 1/16W	
R626			RK73GB1J103J	CHIP R 10K J 1/16W	
R627			RK73GB1J102J	CHIP R 1.0K J 1/16W	
R628			RK73GB1J102J	CHIP R 1.0K J 1/16W	
R629			RK73GB1J152J	CHIP R 1.5K J 1/16W	
R630			RK73GB1J104J	CHIP R 100K J 1/16W	
R631			RK73GB1J472J	CHIP R 4.7K J 1/16W	
R632			RK73FB2A750J	CHIP R 75 J 1/10W	
R633			RK73GB1J152J	CHIP R 1.5K J 1/16W	
R639			RK73GB1J104J	CHIP R 100K J 1/16W	
R801			RK73GB1J272J	CHIP R 2.7K J 1/16W	
R802			RK73GB1J470J	CHIP R 47 J 1/16W	
R803			RK73GB1J752J	CHIP R 7.5K J 1/16W	
R804			RK73GB1J563J	CHIP R 56K J 1/16W	
R805			RK73GB1J913J	CHIP R 91K J 1/16W	
R806			RK73GB1J470J	CHIP R 47 J 1/16W	
R807			RK73GB1J103J	CHIP R 10K J 1/16W	
R808			RK73GB1J913J	CHIP R 91K J 1/16W	
R809			RK73GB1J913J	CHIP R 91K J 1/16W	
RN1			R90-0724-05	MULTI-COMP 1K X4	
RN2			R90-0724-05	MULTI-COMP 1K X4	
RN3		*	R90-1071-08	MULTI-COMP 47 X2	
RN4			R90-0724-05	MULTI-COMP 1K X4	
RN5			R90-1016-05	MULTI-COMP 470 X4	
RN6			R90-1016-05	MULTI-COMP 470 X4	
RN7			R90-1042-08	MULTI-COMP 4.7K X4	
RN8			R90-0724-05	MULTI-COMP 1K X4	
RN10			R90-0724-05	MULTI-COMP 1K X4	
RN11			R90-0724-05	MULTI-COMP 1K X4	
RN12			R90-0720-05	MULTI-COMP 100K X4	
RN14			R90-0724-05	MULTI-COMP 1K X4	
RN15		*	R90-1071-08	MULTI-COMP 47 X2	
RN16			R90-1022-05	MULTI-COMP 470 X2	
RN17			R90-0724-05	MULTI-COMP 1K X4	
RN400			R90-0720-05	MULTI-COMP 100K X4	
S1			S74-0809-05	MICRO SWITCH	
D7			1SS400	DIODE	
D8			1SS400	DIODE	
D1 -4		*	HZM6.2ZWA	ZENER DIODE	
D100			MA4051(N)-M	ZENER DIODE	
D200			1SS400	DIODE	
D201-203			1SS400	DIODE	
D204			STZ6.8N	ZENER DIODE	
D350A,B			STZ6.2Z	ZENER DIODE	
D351A,B			STZ6.2Z	ZENER DIODE	
D352A,B			STZ6.2Z	ZENER DIODE	
D400-403			STZ6.2Z	ZENER DIODE	
D404A,B			STZ6.2Z	ZENER DIODE	
D405			STZ6.2Z	ZENER DIODE	
D450A,B			STZ6.2Z	ZENER DIODE	
D451			STZ6.2Z	ZENER DIODE	

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K : Z828
M : KDC-Z828

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PARTS LIST

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MAIN UNIT

Ref. No.	Add	New	Parts No.	Description	Destination
D500			DAP202U	DIODE	
D501			1SS400	DIODE	
D502A,B			1SR154-400	DIODE	
D503A,B			1SR154-400	DIODE	
D504A,B			1SR154-400	DIODE	
D505A,B			1SR154-400	DIODE	
D600			RM10Z	DIODE	
D601			HZS7L6C	ZENER DIODE	
D602			HZS7L6C	ZENER DIODE	
D603			1SR154-400	DIODE	
D604			1SR154-400	DIODE	
D605			1SS400	DIODE	
D606			1SR154-400	DIODE	
D607			1SR154-400	DIODE	
D608		*	UDZS5.6B	ZENER DIODE	
D610			1SR154-400	DIODE	
D611			HZS6B1L	ZENER DIODE	
D612			MA8180-L	ZENER DIODE	
D613			MA4082(N)-L	ZENER DIODE	
D614			DTZ9.1A	ZENER DIODE	
D620			HZS6B1L	ZENER DIODE	
D621			HZS11B2L	ZENER DIODE	
D801			HZS6B1L	ZENER DIODE	
IC1		*	UPD703033GC060	MI-COM IC	
IC2			S-80842ANNP	MOS-IC	
IC3			HD74HC27FP	MOS-IC	
IC200			BA3121F	IC(ISO AMP)	
IC201			BA3129F	IC(SWITCH)	
IC202			NJM4565MD	IC(OP AMP X2)	
IC300			TDA7407	ANALOGUE IC	
IC301			TDA7401	ANALOGUE IC	
IC310			NJM4565MD	IC(OP AMP X2)	
IC311			NJM4565MD	IC(OP AMP X2)	
IC312			NJM4565MD	IC(OP AMP X2)	
IC500			TA8263BH	ANALOGUE IC	
IC801			TC7662BEOA	ANALOGUE IC	
Q1			2SA1576A	TRANSISTOR	
Q2			DTA124EUA	DIGITAL TRANSISTOR	
Q3			DTA144EUA	DIGITAL TRANSISTOR	
Q4			DTC124EUA	DIGITAL TRANSISTOR	
Q5			2SB1427	TRANSISTOR	
Q6			DTC144EUA	DIGITAL TRANSISTOR	
Q9			DTC144EUA	DIGITAL TRANSISTOR	
Q10			DTC124EUA	DIGITAL TRANSISTOR	
Q100			2SB1132	TRANSISTOR	
Q101			DTC144EUA	DIGITAL TRANSISTOR	
Q102			2SB1132	TRANSISTOR	
Q103			DTC144EUA	DIGITAL TRANSISTOR	
Q200			DTC124EUA	DIGITAL TRANSISTOR	
Q201			DTC343TK	DIGITAL TRANSISTOR	
Q202			2SC4081	TRANSISTOR	
Q300			DTC144EUA	DIGITAL TRANSISTOR	
Q350A,B			DTC343TK	DIGITAL TRANSISTOR	
Q351A,B			DTC343TK	DIGITAL TRANSISTOR	
Q352A,B			DTC343TK	DIGITAL TRANSISTOR	

Ref. No.	Add	New	Parts No.	Description	Destination
Q600			2SC4081	TRANSISTOR	
Q601			2SC4081	TRANSISTOR	
Q602			DTC114YUA	DIGITAL TRANSISTOR	
Q603			2SA1703-AN	TRANSISTOR	
Q604			DTC114EUA	DIGITAL TRANSISTOR	
Q605			DTA124EUA	DIGITAL TRANSISTOR	
Q606			2SA1576A	TRANSISTOR	
Q607			2SA1703-AN	TRANSISTOR	
Q608			DTC144EUA	DIGITAL TRANSISTOR	
Q609			DTA123JUA	DIGITAL TRANSISTOR	
Q611			2SC4081	TRANSISTOR	
Q612			2SB1565(E,F)	TRANSISTOR	
Q613			2SC4081	TRANSISTOR	
Q614			2SB1565(E,F)	TRANSISTOR	
Q615			DTC124EUA	DIGITAL TRANSISTOR	
Q616			DTA124EUA	DIGITAL TRANSISTOR	
Q617			2SC4081	TRANSISTOR	
Q618			2SB1184	TRANSISTOR	
Q619			2SC4081	TRANSISTOR	
Q620			2SB1565(E,F)	TRANSISTOR	
Q621			2SC4081	TRANSISTOR	
Q622			2SB1565(E,F)	TRANSISTOR	
Q623			DTC144EUA	DIGITAL TRANSISTOR	
Q624			DTA124EUA	DIGITAL TRANSISTOR	
Q630			2SC4081	TRANSISTOR	
Q631			2SB1565(E,F)	TRANSISTOR	
Q632			2SC4081	TRANSISTOR	
Q633			2SB1443	TRANSISTOR	
Q801			2SA1576A	TRANSISTOR	
Q802			2SA1576A	TRANSISTOR	
Q803-805			2SC4081	TRANSISTOR	
Q806			2SA1576A	TRANSISTOR	
TH500			TH470	POSITIVE RESISTOR	
TU100			X86-3240-12	TUNER UNIT	

DC/DC CONVERTER UNIT

C700			CK73GB1H104K	CHIP C	0.10UF	K
C701			C90-2603-05	ELECTRO	0.15UF	50WV
C702			CK73GB1H104K	CHIP C	0.10UF	K
C703			C90-2603-05	ELECTRO	0.15UF	50WV
C704		*	C93-1191-08	CHIP C	0.001UF	K
C705-707		*	C90-5397-08	ELECTRO	47UF	63WV
C708		*	C90-5398-08	ELECTRO	22UF	63WV
CN700		*	E41-0161-08	PIN ASSY (4P)		
CN701		*	E41-0161-08	PIN ASSY (4P)		
CN702			E40-9602-08	PIN ASSY (4P)		
CN703			E40-9602-08	PIN ASSY (4P)		
L700			L33-1090-08	CHOKE COIL		56 uH
R700			RK73EB2B102J	CHIP R	1.0K	J 1/8W
R702			RK73EB2B220J	CHIP R	22	J 1/8W
R703			RK73FB2A473J	CHIP R	47K	J 1/10W
D700			PTZ5.6A	DIODE		

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KDC-Z828,Z828

PARTS LIST

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Ref. No.	Add	New	Parts No.	Description	Destination
DC700		*	W02-3302-08	DC/DC CONVERTER	
SUB UNIT					
D800			B30-2025-05	LED (CL-170PG)	
CN800			E40-9488-05	SOCKET FOR PIN ASSY (20P)	
CN801			E40-9414-05	FLAT CABLE CONNECTOR (15P)	
R800			RK73GB1J820J	CHIP R 82 J 1/16W	
S800		*	S70-0886-08	TACT SWITCH	
CONTROL UNIT					
D900			B30-1564-05	LED (CL-190UB)	
D901		*	B30-1628-08	LED (LBA673)	
D982			B30-1547-05	LED (CL-190PG)	
D983			B30-1547-05	LED (CL-190PG)	
D985			B30-1547-05	LED (CL-190PG)	
D986			B30-1547-05	LED (CL-190PG)	
D989			B30-1547-05	LED (CL-190PG)	
D990			B30-1547-05	LED (CL-190PG)	
D994			B30-1547-05	LED (CL-190PG)	
D997			B30-1547-05	LED (CL-190PG)	
C900			CK73GB1H103K	CHIP C 0.010UF K	
C901			C90-5327-08	CHIP-TAN 10UF 16WV	
C902			CK73GB1H103K	CHIP C 0.010UF K	
C903			CK73GB1H103K	CHIP C 0.010UF K	
C904			CK73GB0J105K	CHIP C 1.0UF K	
C905			CC73GCH1H120J	CHIP C 12PF J	
C906			CC73GCH1H120J	CHIP C 12PF J	
C907-911			CK73GB1H103K	CHIP C 0.010UF K	
C930			C90-5327-08	CHIP-TAN 10UF 16WV	
C940			C90-5327-08	CHIP-TAN 10UF 16WV	
C941			C90-5327-08	CHIP-TAN 10UF 16WV	
C943			C90-5327-08	CHIP-TAN 10UF 16WV	
C950			CK73GB1H104K	CHIP C 0.10UF K	
C951			C90-5327-08	CHIP-TAN 10UF 16WV	
C960			CK73GB1H103K	CHIP C 0.010UF K	
C961			CK73FF1A475Z	CHIP C 4.7UF Z	
C962		*	C93-1191-08	CHIP C 0.001UF K	
C963			CK73FF1A475Z	CHIP C 4.7UF Z	
C964			CK73GB1H103K	CHIP C 0.010UF K	
C965			CK73GB0J105K	CHIP C 1.0UF K	
C966			CK73GB1H104K	CHIP C 0.10UF K	
CN900			E59-0835-05	RECTANGULAR PLUG (13PTDF)	
282	3C	*	J19-5115-08	HOLDER (VFD)	
L900			L33-1127-08	CHOKE COIL 4.7uH	
L901		*	L92-0348-08	CHIP IMPEDER 1K	
L950			L33-1127-08	CHOKE COIL 4.7uH	
L960		*	L92-0348-08	CHIP IMPEDER 1K	
L961			L33-1127-08	CHOKE COIL 4.7uH	
X1		*	L77-2790-08	CRYSTAL RESONATOR 20MHz	
R900			RK73GB1J102J	CHIP R 1.0K J 1/16W	
R901			R92-1252-05	CHIP R 0 OHM	

Ref. No.	Add	New	Parts No.	Description	Destination
R902			RK73GB1J471J	CHIP R 470 J 1/16W	
R903			RK73GB1J104J	CHIP R 100K J 1/16W	
R904			RK73GB1J102J	CHIP R 1.0K J 1/16W	
R905			RK73GB1J104J	CHIP R 100K J 1/16W	
R906			RK73GB1J102J	CHIP R 1.0K J 1/16W	
R907			RK73GB1J471J	CHIP R 470 J 1/16W	
R908			RK73GB1J471J	CHIP R 470 J 1/16W	
R909			RK73GB1J223J	CHIP R 22K J 1/16W	
R910			RK73GB1J101J	CHIP R 100 J 1/16W	
R911			RK73GB1J131J	CHIP R 130 J 1/16W	
R912			RK73GB1J103J	CHIP R 10K J 1/16W	
R913			RK73FB2A392J	CHIP R 3.9K J 1/10W	
R914-918			RK73FB2A471J	CHIP R 470 J 1/10W	
R919			RK73GB1J223J	CHIP R 22K J 1/16W	
R920			RK73GB1J103J	CHIP R 10K J 1/16W	
R921			RK73GB1J472J	CHIP R 4.7K J 1/16W	
R930			RK73GB1J101J	CHIP R 100 J 1/16W	
R940			RK73GB1J392J	CHIP R 3.9K J 1/16W	
R941			RK73GB1J473J	CHIP R 47K J 1/16W	
R942			RK73GB1J124J	CHIP R 120K J 1/16W	
R943			RK73GB1J274J	CHIP R 270K J 1/16W	
R944			RK73GB1J274J	CHIP R 270K J 1/16W	
R945			RK73GB1J100J	CHIP R 10 J 1/16W	
R960			RK73EB2B100J	CHIP R 10 J 1/8W	
R961			RK73GB1J100J	CHIP R 10 J 1/16W	
R962			RK73GB1J222J	CHIP R 2.2K J 1/16W	
R963			RK73GB1J101J	CHIP R 100 J 1/16W	
R964			RK73GB1J101J	CHIP R 100 J 1/16W	
R965			RK73GB1J473J	CHIP R 47K J 1/16W	
R966			RK73GB1J101J	CHIP R 100 J 1/16W	
R967			RK73GB1J101J	CHIP R 100 J 1/16W	
R980			RK73EB2B392J	CHIP R 3.9K J 1/8W	
R981			RK73EB2B392J	CHIP R 3.9K J 1/8W	
R982			RK73EB2B392J	CHIP R 3.9K J 1/8W	
RN900			R90-0737-05	MULTI-COMP 100K X2	
RN901			R90-1014-05	MULTI-COMP 100 X4	
RN902			R90-1019-05	MULTI-COMP 100 X2	
RN903			R90-1019-05	MULTI-COMP 100 X2	
RN904			R90-0720-05	MULTI-COMP 100K X4	
RN905			R90-0724-05	MULTI-COMP 1K X4	
RN906			R90-0725-05	MULTI-COMP 1K X2	
RN907			R90-1020-05	MULTI-COMP 22K X2	
RN908			R90-1022-05	MULTI-COMP 470 X2	
RN950			R90-1014-05	MULTI-COMP 100 X4	
RN951			R90-0748-05	MULTI-COMP 47K X4	
RN952			R90-1014-05	MULTI-COMP 100 X4	
RN953			R90-0748-05	MULTI-COMP 47K X4	
RN954			R90-1014-05	MULTI-COMP 100 X4	
RN955			R90-0748-05	MULTI-COMP 47K X4	
RN956			R90-1014-05	MULTI-COMP 100 X4	
RN957			R90-0748-05	MULTI-COMP 47K X4	
S900		*	S70-0887-08	TACT SWITCH	
S901			S70-0864-05	TACT SWITCH	
S980		*	S70-0886-08	TACT SWITCH	

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S981		*	S70-0886-08	TACT SWITCH	
S982		*	S70-0887-08	TACT SWITCH	
S983		*	S70-0887-08	TACT SWITCH	
S984		*	S70-0886-08	TACT SWITCH	
S985		*	S70-0887-08	TACT SWITCH	
S986		*	S70-0887-08	TACT SWITCH	
S987		*	S70-0886-08	TACT SWITCH	
S988		*	S70-0886-08	TACT SWITCH	
S989		*	S70-0887-08	TACT SWITCH	
S990		*	S70-0887-08	TACT SWITCH	
S991-993		*	S70-0886-08	TACT SWITCH	
S994		*	S70-0887-08	TACT SWITCH	
S995		*	S70-0886-08	TACT SWITCH	
S996		*	S70-0886-08	TACT SWITCH	
S997		*	S70-0887-08	TACT SWITCH	
D903			DA227	DIODE	
D904			DA227	DIODE	
D905-908		*	HZM6.2ZWA	DIODE	
D960		*	HZM6.2ZWA	DIODE	
D961		*	HZM6.2ZWA	DIODE	
IC900		*	UPD703033GC062	MI-COM IC	
IC930			RS-171	ANALOGUE IC	
IC940			BA3830F	ANALOGUE IC	
IC950		*	MSM531622F95TS	MEMORY IC	
IC960			BA033LBSG	ANALOGUE IC	
IC961			TC74HC4050AFT	MOS-IC	
Q900			2SC4081	TRANSISTOR	
Q930			DTA114EUA	DIGITAL TRANSISTOR	
Q931			DTC124EUA	DIGITAL TRANSISTOR	
Q960			DTC114EUA	DIGITAL TRANSISTOR	
Q961			DTA124EUA	DIGITAL TRANSISTOR	
Q962			DTC114EUA	DIGITAL TRANSISTOR	
VFD960		*	CN1989M	FLUORESCENT INDICATOR TUBE	
PROCESSOR UNIT (X32-5090-00)					
C1			C92-0633-05	CHIP-TAN 22UF 10WV	
C2 ,3			CK73GB1H102K	CHIP C 1000PF K	
C4 ,5			C92-0628-05	CHIP-TAN 10UF 10WV	
C7			CK73EB1A475K	CHIP C 4.7UF K	
C8 ,9			CK73GB1C104K	CHIP C 0.10UF K	
C10 ,11			CK73GB1H102K	CHIP C 1000PF K	
C12 -14			CK73GB1C104K	CHIP C 0.10UF K	
C15			CK73EB1A475K	CHIP C 4.7UF K	
C16			C92-0628-05	CHIP-TAN 10UF 10WV	
C17 ,18			CK73GB1H102K	CHIP C 1000PF K	
C19			CK73FB1C105K	CHIP C 1.0UF K	
C20			CK73GB1H102K	CHIP C 1000PF K	
C21			CC73GCH1H150J	CHIP C 15PF J	
C22			C92-0628-05	CHIP-TAN 10UF 10WV	
C23			CK73GB1H102K	CHIP C 1000PF K	
C24			CC73GCH1H471J	CHIP C 470PF J	
C25			CK73GB1C104K	CHIP C 0.10UF K	
C26			CK73GB1H472K	CHIP C 4700PF K	
C27 ,28			CK73FB1C105K	CHIP C 1.0UF K	
C29 -31			CK73GB1C104K	CHIP C 0.10UF K	

CONTROL UNIT

Ref. No.	Add	New	Parts No.	Description	Destination
C32			C92-0628-05	CHIP-TAN 10UF 10WV	
C33 ,34			CK73GB1C104K	CHIP C 0.10UF K	
C35			CC73GCH1H221J	CHIP C 220PF J	
C36			CK73GB1H102K	CHIP C 1000PF K	
C37			CK73GB1H103K	CHIP C 0.010UF K	
C39			CK73GB1H222K	CHIP C 2200PF K	
C40			CK73GB1C104K	CHIP C 0.10UF K	
C41			CK73GB1H103K	CHIP C 0.010UF K	
C42			CC73GCH1H101J	CHIP C 100PF J	
C43			CK73GB1C473K	CHIP C 0.047UF K	
C45			CK73GB1C104K	CHIP C 0.10UF K	
C46			CK73GB1H103K	CHIP C 0.010UF K	
C48			CK73GB1H103K	CHIP C 0.010UF K	
C49			CK73GB1C104K	CHIP C 0.10UF K	
C50			CK73GB1H103K	CHIP C 0.010UF K	
C52			CK73EB1A475K	CHIP C 4.7UF K	
C53			CK73GB1C104K	CHIP C 0.10UF K	
C54			CK73EB1A475K	CHIP C 4.7UF K	
C55			CK73GB1C104K	CHIP C 0.10UF K	
C56			C92-0628-05	CHIP-TAN 10UF 10WV	
C58			C92-0628-05	CHIP-TAN 10UF 10WV	
C60			CK73EB1A475K	CHIP C 4.7UF K	
C61			CK73GB1C333K	CHIP C 0.033UF K	
C62			CK73FB1C224K	CHIP C 0.22UF K	
C63			CK73GB1H472K	CHIP C 4700PF K	
C64			CK73GB1H222K	CHIP C 2200PF K	
C65 ,66			CK73EB1A475K	CHIP C 4.7UF K	
C67			CK73GB1C104K	CHIP C 0.10UF K	
C68 ,69			CK73EB1A475K	CHIP C 4.7UF K	
C70			CK73GB1H102K	CHIP C 1000PF K	
C71 -74			CK73GB1C104K	CHIP C 0.10UF K	
C75			CK73GB1H103K	CHIP C 0.010UF K	
C76			CK73GB1H102K	CHIP C 1000PF K	
C77 ,78			CC73GCH1H471J	CHIP C 470PF J	
C79 ,80			CC73GCH1H680J	CHIP C 68PF J	
C81			CK73EB1A475K	CHIP C 4.7UF K	
C82 ,83			C92-0628-05	CHIP-TAN 10UF 10WV	
C84 ,85			C92-0633-05	CHIP-TAN 22UF 10WV	
C86			CK73EB1A475K	CHIP C 4.7UF K	
C87			C92-0093-05	CHIP C 100UF 6.3WV	
C100			CK73GB1H103K	CHIP C 0.010UF K	
C101			CK73GB1C104K	CHIP C 0.10UF K	
CN1			E40-9339-05	FLAT CABLE CONNECTOR	
CN2			E40-9536-05	FLAT CABLE CONNECTOR	
L1 -4			L92-0308-05	FERRITE CORE	
L5			L40-1001-78	SMALL FIXED INDUCTOR(10UH)	
L5			L40-1001-93	SMALL FIXED INDUCTOR	
L5			L41-1001-10	SMALL FIXED INDUCTOR	
X1			L78-0810-05	RESONATOR	
X2			L78-0573-05	RESONATOR	
CP1 -7			R90-0714-05	MULTI-COMP 10K X4	
CP8 -10			R90-1012-05	MULTI-COMP 22K X4	
R1 ,2			RK73GB1J183J	CHIP R 18K J 1/16W	

E: Europe **K:** North America **M:** Other Areas
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M : KDC-Z828

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KDC-Z828,Z828

PARTS LIST

* New Parts
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PROCESSOR UNIT (X32-5090-00)

Ref. No.	Add	New	Parts No.	Description	Destination
R4 -7			RK73GB1J101J	CHIP R 100 J 1/16W	
R8			RK73GB1J331J	CHIP R 330 J 1/16W	
R9			RK73GB1J102J	CHIP R 1.0K J 1/16W	
R10			RK73GB1J103J	CHIP R 10K J 1/16W	
R12			RK73GB1J472J	CHIP R 4.7K J 1/16W	
R13			RK73GB1J102J	CHIP R 1.0K J 1/16W	
R14 ,15			RK73FB2A100J	CHIP R 10 J 1/10W	
R16 -19			RK73GB1J472J	CHIP R 4.7K J 1/16W	
R20 ,21			RK73GB1J222J	CHIP R 2.2K J 1/16W	
R22 ,23			RK73GB1J122J	CHIP R 1.2K J 1/16W	
R24 -26			RK73GB1J222J	CHIP R 2.2K J 1/16W	
R27			RK73GB1J122J	CHIP R 1.2K J 1/16W	
R28 ,29			RK73GB1J222J	CHIP R 2.2K J 1/16W	
R30 -33			RK73GB1J122J	CHIP R 1.2K J 1/16W	
R34			RK73GB1J104J	CHIP R 100K J 1/16W	
R35			RK73GB1J102J	CHIP R 1.0K J 1/16W	
R36 ,37			RK73GB1J4R7J	CHIP R 4.7 J 1/16W	
R38 ,39			RK73GB1J472J	CHIP R 4.7K J 1/16W	
R40			RK73GB1J102J	CHIP R 1.0K J 1/16W	
R41			RK73GB1J471J	CHIP R 470 J 1/16W	
R42			RK73GB1J104J	CHIP R 100K J 1/16W	
R43			RK73GB1J393J	CHIP R 39K J 1/16W	
R44			RK73GB1J102J	CHIP R 1.0K J 1/16W	
R45			RK73GB1J103J	CHIP R 10K J 1/16W	
R46			RK73GB1J912J	CHIP R 9.1K J 1/16W	
R47			RK73GB1J332J	CHIP R 3.3K J 1/16W	
R48			RK73GB1J682J	CHIP R 6.8K J 1/16W	
R49			RK73GB1J103J	CHIP R 10K J 1/16W	
R50			RK73GB1J123J	CHIP R 12K J 1/16W	
R51			RK73GB1J824J	CHIP R 820K J 1/16W	
R52			RK73GB1J103J	CHIP R 10K J 1/16W	
R53			RK73GB1J563J	CHIP R 56K J 1/16W	
R54			RK73GB1J102J	CHIP R 1.0K J 1/16W	
R55			RK73GB1J103J	CHIP R 10K J 1/16W	
R56			RK73GB1J682J	CHIP R 6.8K J 1/16W	
R57			RK73GB1J622J	CHIP R 6.2K J 1/16W	
R58			RK73GB1J122J	CHIP R 1.2K J 1/16W	
R59			RK73GB1J102J	CHIP R 1.0K J 1/16W	
R60			RK73GB1J183J	CHIP R 18K J 1/16W	
R63			RK73GB1J103J	CHIP R 10K J 1/16W	
R64			RK73GB1J102J	CHIP R 1.0K J 1/16W	
R65			RK73EB2B100J	CHIP R 10 J 1/8W	
R66			RK73GB1J103J	CHIP R 10K J 1/16W	
R67			RK73EB2B4R7J	CHIP R 4.7 J 1/8W	
R68			RK73FB2A820J	CHIP R 82 J 1/10W	
R73			RK73FB2A103J	CHIP R 10K J 1/10W	
R75 ,76			RK73GB1J103J	CHIP R 10K J 1/16W	
R77 ,78			RK73GB1J472J	CHIP R 4.7K J 1/16W	
R79			RK73GB1J223J	CHIP R 22K J 1/16W	
R80 ,81			RK73GB1J472J	CHIP R 4.7K J 1/16W	
R82			RK73GB1J102J	CHIP R 1.0K J 1/16W	
R83			RK73GB1J223J	CHIP R 22K J 1/16W	
R84			RK73GB1J331J	CHIP R 330 J 1/16W	
R85			RK73GB1J220J	CHIP R 22 J 1/16W	
R86			RK73GB1J222J	CHIP R 2.2K J 1/16W	
R87			RK73GB1J122J	CHIP R 1.2K J 1/16W	
R88			RK73GB1J104J	CHIP R 100K J 1/16W	
R90			RK73GB1J101J	CHIP R 100 J 1/16W	
R91			RK73GB1J222J	CHIP R 2.2K J 1/16W	
R94			RK73GB1J512J	CHIP R 5.1K J 1/16W	
R95			RK73GB1J222J	CHIP R 2.2K J 1/16W	
R96 -99			RK73GB1J203J	CHIP R 20K J 1/16W	
R100			RK73GB1J103J	CHIP R 10K J 1/16W	
R101			RK73GB1J512J	CHIP R 5.1K J 1/16W	
R102			RK73FB2A4R7J	CHIP R 4.7 J 1/10W	
R103			RK73GB1J103J	CHIP R 10K J 1/16W	
R104			RK73GB1J331J	CHIP R 330 J 1/16W	
R105			RK73FB2A4R7J	CHIP R 4.7 J 1/10W	
R106			RK73GB1J331J	CHIP R 330 J 1/16W	
R107,108			RK73GB1J332J	CHIP R 3.3K J 1/16W	
R109,110			RK73GB1J562J	CHIP R 5.6K J 1/16W	
R200,201			RK73GB1J103J	CHIP R 10K J 1/16W	
R202			RK73GB1J681J	CHIP R 680 J 1/16W	
W1			R92-1252-05	CHIP R 0 OHM	
W61 ,62			R92-1252-05	CHIP R 0 OHM	
W69 -72			R92-1252-05	CHIP R 0 OHM	
S1 ,2			S68-0838-05	PUSH SWITCH	
S3			S68-0859-05	PUSH SWITCH	
D1 -3			DAN202U	DIODE	
IC1			M30620MCAB12GP	MI-COM IC	
IC2			UPD63724B	MOS-IC	
IC3			TC74HC157AF	IC(MULTIPLEXER)	
IC4			LP2982-3.3	ANALOGUE IC	
IC5			STA013	MOS-IC	
IC6			MSM514260CP-60	MEMORY IC	
IC7			TC7SH04F	MOS-IC	
IC8			TA78L05F	IC(VOLTAGE REGULATOR/ +5V)	
IC9			PCM1716E	MOS-IC	
IC10			UPC2575GS	ANALOGUE IC	
IC11			BA5917AFP	ANALOGUE IC	
IC12			NJM5532MD	IC(OP AMP)	
IC13			NJM2903M	IC(COMPARATOR X2)	
Q1			MCH6101	TRANSISTOR	
Q2			DTC124EUA	DIGITAL TRANSISTOR	
Q3			MCH6101	TRANSISTOR	
Q4			DTC124EUA	DIGITAL TRANSISTOR	
Q5 -7			2SK3018	FET	
Q8			MCH6101	TRANSISTOR	
Q9			DTC124EUA	DIGITAL TRANSISTOR	

CD MECHANISM ASSY (X92-4190-01)

401	2A		A10-4482-01	CHASSIS	
402	1B		A10-4225-33	CHASSIS CALKING ASSY	
403	2B		A11-0915-43	SUB CHASSIS CALKING ASSY	
405	2A		D10-3082-13	ARM	
405A	2A		D10-4038-23	ARM ASSY	
406	2A		D10-4306-14	ARM ASSY	
407	2A		D10-4305-14	ARM ASSY	
408	3A		D10-3087-44	ARM ASSY	

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PARTS LIST

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Ref. No.	Add	New	Parts No.	Description	Destination
409	3B		D10-3092-03	SLIDER	
410	3B		D10-3093-04	SLIDER ASSY	
411	2B		D10-3095-04	SLIDER ASSY	
412	2B		D10-3096-04	SLIDER ASSY	
413	1A		D10-3099-24	SLIDER ASSY	
414	1A		D10-3100-04	SLIDER ASSY	
415	2A		D10-4123-24	LEVER ASSY	
416	1B		D10-4004-04	LEVER ASSY	
417	1B		D10-4006-04	LEVER	
418	1A		D10-4007-04	LEVER	
419	2B		D10-4008-14	LEVER	
420	2A		D10-4009-23	ARM	
421	3A		D10-4010-04	LEVER	
422	3A		D10-4307-04	LEVER ASSY	
424	3B		D10-4050-04	ARM	
427	3A		D13-1442-03	RACK (GEAR)	
429	3B		D13-1231-04	GEAR	
430	3A		D13-1240-04	GEAR	
431	3B		D13-1233-04	GEAR	
432	3B		D13-1234-14	GEAR ASSY	
433	3A		D13-1441-03	GEAR	
434	3B		D13-1232-04	GEAR	
435	3B		D13-1241-04	GEAR	
436	3A		D13-1242-04	GEAR	
437	1B		D13-1243-04	GEAR	
438	1B		D13-1244-04	GEAR	
439	1B		D13-1245-14	GEAR	
440	2A		D13-1246-04	GEAR	
441	2B		D13-1247-04	GEAR	
443	2B		D13-1249-04	GEAR ASSY	
444	2B		D13-2091-04	GEAR ASSY(LEAD SCREW)	
445	1B		D14-0668-04	ROLLER	
446	1A		D14-0670-04	ROLLER	
447	3B		D14-0674-04	ROLLER	
449	3A		D21-2228-14	SHAFT	
450	1A		D21-2229-04	SHAFT	
451	1A		D23-0925-24	RETAINER	
452	2A		D32-0614-04	STOPPER	
453	1B		D39-0223-05	DAMPER	
454	2B		D39-0224-05	DAMPER	
455	3B		F09-1246-04	SHEET	
458	3B		F09-1266-14	SHEET	
460	2A		G01-2770-04	EXTENSION SPRING	
461	3A		G01-2771-04	EXTENSION SPRING	
462	3A		G01-2772-24	EXTENSION SPRING	
463	3A		G01-2773-14	EXTENSION SPRING	
464	3A		G01-2774-34	EXTENSION SPRING	
465	1B		G01-2775-04	TORSION COIL SPRING	
466	1B		G01-2776-14	TORSION COIL SPRING	
467	3B		G01-2777-24	TORSION COIL SPRING	
469	2A		G01-2844-04	EXTENSION SPRING	
470	2A		G02-1231-04	FLAT SPRING	
471	2B		G02-1319-04	FLAT SPRING	
472	2A		G02-1241-24	FLAT SPRING	

CD MECHANISM ASSY (X92-4190-01)

Ref. No.	Add	New	Parts No.	Description	Destination
475	2A		J11-0613-13	CLAMPER	
476	3A		J19-4678-13	HOLDER	
477	2B		J19-4923-04	HOLDER	
478	3B		J21-7684-13	MOUNTING HARDWARE	
479	2B		J21-7686-13	MOUNTING HARDWARE	
480	1B		J21-7690-03	MOUNTING HARDWARE	
482	3A		J84-0107-05	FLEXIBLE PRINTED WIRING BOARD	
483	1A		J90-0757-22	GUIDE	
A	2A		N09-4249-05	MACHINE SCREW (M1.7X2.5,LOCK)	
B	1B		N09-4172-05	TAPPING SCREW (2X3.5,C)	
C	2B		N09-4202-05	STEPPED SCREW	
D	2A		N38-2020-46	PAN HEAD MACHIN SCREW	
E	3A		N09-4294-05	TAPTITE SCREW (BIND P TAPTIT)	
F	3B		N19-2023-04	FLAT WASHER	
G	2A		N19-2058-04	FLAT WASHER	
H	3A		N19-2093-04	FLAT WASHER	
J	2A		N39-2020-46	PAN HEAD MACHIN SCREW	
DM1	3B		T42-0764-04	DC MOTOR ASSY (SP)	
DM2	3B		T42-1028-04	DC MOTOR ASSY (SL)	
DPU1	2B		T25-0215-05	OPTICAL PICKUP HEAD	

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KDC-Z828,Z828

SPECIFICATIONS

		KDC-Z828	Z-828
FM	Frequency Range (50kHz space)	87.5MHz~108.0MHz	-
	(200kHz space)	87.9MHz~107.9MHz	87.9MHz~107.9MHz
	Usable Sensitivity (S/N=30dB)	9.3dBf (0.8μV/75Ω)	9.3dBf (0.8μV/75Ω)
	Ouieting Sensitivity (S/N=50dB)	15.2dBf (1.6μV/75Ω)	15.2dBf (1.6μV/75Ω)
	Frequency Response (±3.0dB)	30Hz-15kHz	30Hz-15kHz
	Signal to Noise ratio (MONO)	70dB	70dB
	Selectivity (±400kHz)	≧80dB	≧80dB
	Stereo Separation (1kHz)	40dB	40dB
AM	Frequency Range (9kHz space)	531kHz~1611kHz	-
	(10kHz space)	530kHz~1700kHz	530kHz~1700kHz
	Usable Sensitivity (S/N=20dB)	28dBμ (25μV)	28dBμ (25μV)
CD	Laser Diode	GaAIAs (λ=780nm)	GaAIAs (λ=780nm)
	Digtal Filter (D/A)	8 Times Over Sampling	8 Times Over Sampling
	D/A Converter	8 Level ΔΣ	8 Level ΔΣ
	Spindle Speed (CD-DA)	500~200rpm (CLV)	500~200rpm (CLV)
	(MP3)	1000~400rpm (CLV)	1000~400rpm (CLV)
	Wow & Flutter	Below Measurable Limit	Below Measurable Limit
	Frequency Response (±1dB)	10Hz-20kHz	10Hz-20kHz
	Total Harmonic Distortion (1kHz)	0.01%	0.01%
	Signal to Noise Ratio (1kHz)	96dB	96dB
	Dynamic Range	95dB	95dB
	Channel Separation	90dB	90dB
	MP3 Decode	MPEG-1.0 Audio Layer-3 Compliant	MPEG-1.0 Audio Layer-3 Compliant
AUDIO	Maximum Output Power	47Wx4	47Wx4
	Full Bandwidth Power (at less than 1% THD)	22Wx4	22Wx4
	Tone Action Bass:	100Hz±10dB	100Hz±10dB
	Middle:	1kHz±10dB	1kHz±10dB
	Treble:	10kHz±10dB	10kHz±10dB
Preout Level/Load (during disc play)		4500mV/10kΩ	4500mV/10kΩ
Preout Impedance		80Ω	80Ω
GENERAL	Operating Voltage (11V-16V allowable)	14.4V	14.4V
	Current Consumption	10A	10A
	Installation Size (WxHxD)	182x53x156mm	182x53x156mm 7-3/16x2-1/16x6-1/8inch
	Weight	1.8kg	4.06lbs(1.8kg)

KENWOOD follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.

KENWOOD CORPORATION
14-6, Dogenzaka 1-chome, Shibuya-ku, Tokyo 150-8501 Japan

KENWOOD SERVICE CORPORATION
P.O. BOX 22745, 2201 East Dominguez Street, Long Beach, CA90801-5745, U.S.A.

KENWOOD ELECTRONICS CANADA INC.
6070 Kestrel Road, Mississauga, Ontario, Canada L5T 1S8

KENWOOD ELECTRONICS LATIN AMERICA S.A.
P.O. Box 55-2791 Paitilla, Plaza Credicorp Bank Panama,
Piso 9, Oficina 901, Calle 50, Panama, Rep. de Panama

KENWOOD ELECTRONICS BRASIL LTDA.
Av. Moema, 170-17', Andar-Cobertura "B", Ed. Maximum Service Center, 04077-020
Moema, São Paulo-SP-Brasil

KENWOOD ELECTRONICS UK LIMITED
Kenwood House, Dwight Road, Watford, Herts, WD1 8EB, United Kingdom

KENWOOD ELECTRONICS DEUTSCHLAND GMBH
Rembrücker-Str. 15, 63150 Heusenstamm, Germany

KENWOOD ELECTRONICS FRANCE S.A.
13, Boulevard Ney, 75018 Paris, France

KENWOOD ELECTRONICS BELGIUM N.V.
Mechelsesteenweg 418, B-1930 Zaventem, Belgium

KENWOOD ELECTRONICS ITALIA S.p.A.
Via G. Sirtori 7/9, 20129 Milano, Italy

KENWOOD IBÉRICA S.A.
Bolivia, 239-08020 Barcelona, Spain

KENWOOD ELECTRONICS AUSTRALIA PTY. LTD. (A.C.N. 001 499 074)
16 Giffnock Avenue, Centrecourt Estate, North Ryde,
N.S.W. 2113, Australia

KENWOOD ELECTRONICS (HONG KONG) LTD.
Unit 3712-3724, Level 37, Tower 1, Metroplaza, 223 Hing Fong Road, Kwai Fong, N.T.,
Hong Kong

KENWOOD ELECTRONICS GULF FZE
P.O. Box 61318, Jebel Ali, Dubai, U.A.E.

KENWOOD ELECTRONICS (THAILAND) CO., LTD.
2019 New Pechburi Road, Bangkapi, Huaykwang, Bangkok, 10320 Thailand

KENWOOD ELECTRONICS SINGAPORE PTE. LTD.
1 Genting Lane, #07-00, Kenwood Building, Singapore, 349544

KENWOOD ELECTRONICS (MALAYSIA) SDN BHD
#4.01 Level 4, Wisma Academy Lot 4A, Jalan 19/1, 46300 Petaling Jaya, Selangor Darul Ehsan,
Malaysia